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Plastic bottles: For plastics, new action in food packaging (chart)	Jan 18	25	Novo to make insulin in Canada	Feb 29	16	Carbon Black — China awards plant contract to Toyo Engineering	May 2	20
Plastic and paper vie for the milk container (chart)	Feb 1	14	Ontario plans destruction of polychlorinated biphenyls with mobile equipment	June 27	90	Carbon Dioxide		
— Letter	Mar 14	5	Paper mill workers in B.C. strike	Mar 21	10	BOC Group's Airco plugging carbon dioxide as a substitute for EDB	Feb 22	9
Plastics' push for chemical packaging	Mar 14	50	Parliament's subcommittee on acid rain advocating phasing out of TEL by 1995	June 13	9	CO ₂ lasers: OTA is checking the safety of CO ₂ lasers in surgery	Jan 11	42
PET: Montefibre to supply PET polymer and preforms to bottle producer, Cobarr	June 27	90	Petrochemical producers hope for new pricing plan for crude oil and natural gas	May 9	25	Cortex CO ₂ pipeline starts up	Jan 4	20
Brazil			Petrochemicals: Better times for petrochemicals firms	May 9	25	EDB substitutes: Challenges for EDB substitutes	Apr 4	14
Chemical exports: At stake in the international banking rescue (charts)	June 20	53	Potash production soars	Feb 15	15	Liquid Carbonic to be acquired by CBI Industries	June 20	13
Feedstock and fuel to cost more in Rio	May 2	20	Potash shipments: demand from U.S. fertilizer market	Apr 4	26	Carbon Monoxide — Syconex develops new CO monitor	Apr 25	30
International forecast: A business pick-			Potash: World potash is moving again (chart)	Jan 18	28	Carbon Tetrachloride — Prices	Apr 20	60
			Quebec lures industry with cheap hydropower	Mar 14	36	Case Western Reserve University — Polymer Institute: major cornerstone of Thomas Alva Edison Program, Ohio's quest for high-tech ventures (table)	May 23	14
			Quenord upping capacity of sodium chlorate plant at Magog, Que.	May 23	22	Catalysts		
			Saskatoon Chemical in startup phase for calcium hypochlorite plant in Saskatoon, Sask.	Feb 15	18	Alumina chemicals: Looking for an upturn	May 23	20
			— Correction	Mar 7	11	Amox will offer catalyst services	Mar 14	46
				May 2	5	"Asymmetric" catalysts: AAAS symposium	June 6	34

Bacteria that catalyze acrylamide production	N	May 16	44	What we are, where we're headed — Viewpoint	Mar 21	3	Clay	First U.S. clay-based metallic chlorides plant	N	Feb 15	33
Lummus Crest mild hydrocracking process yields more middle distillate	N	Apr 11	30	"Chemical Week" Financial Reports				Mobil Chemical's Ft. Meade, Fla. phosphate mine will test new clay-settling technology called electroendosmosis	N	Jan 25	19
Monsanto's new catalytic process for adipic acid	N	Apr 25	30	Chemical industry leaders, 4th qtr. '83 (tables)	Feb 15	30		United Desiccants Belen, N.M. plant to make 15 grades of desiccant clay products	R	Feb 8	16
Polymerization catalyst: University of Wisconsin-Madison's West at ACS meeting	N	Apr 18	37	Process industries, 4th qtr. and 1983 (charts & tables)	Mar 7	26		Uranium Pechiney recovering minerals from clay-bearing ores	N	June 13	34
Polypropylene polymerization catalyst Lynx 900, from Catalyst Resources, will make older plants competitive	N	Feb 15	33	Chemical industry leaders, 1983 annual (charts & tables)	Apr 25	58		Cleaners — Chemed: An independent Chemed hits the acquisition trail	N	June 6	23
Polysilane catalysts	N	May 30	22	Process industries, 1st qtr. '84 (tables)	May 23	28					
Ultrasonic processing: How ultrasound 'catalyzes' catalysts	N	Jan 18	29	Chewing Gum — Merrell Dow's Nicorette: prescription gum helps smokers quit	May 30	28					
Union Carbide moves into FCC; to acquire Katalistics' fluid cracking catalysts business	N	Mar 21	13	Chile	Mar 14	22		Coal			
United Catalysts offers new catalyst for shift conversion	N	Apr 11	30	Chemical exports: At stake in the international banking rescue (charts)	June 20	53		Anthracite: a new look at anthracite	N	Jan 4	29
				Methanol plant advances	May 23	18		Burning coal to extract oil: new process, Total Resource Energy Extraction (TREE)	N	Jan 4	15
Caustic Soda								Coal-cleaning schemes to be probed by Energy Dept.	N	Jan 25	80
Chlor-alkali: Squeezing earnings from a low-growth business (charts & table)	N	Feb 1	26	China				Conversion: Brewster Phosphate will convert phosphate rock dryers to coal-oil mixtures	N	Mar 7	30
— Letter	N	Apr 11	5	Atlantic Richfield seeks contract for ammonia plant	May 2	20		Desulfurization see Desulfurization			
Membrane patent agreement signed by Du Pont and Asahi	N	May 9	33	Canada's Lanigan potash mine: China bids for potash mine	Jan 18	20		Eastman's acetic anhydride from coal plant at Kingsport, Tenn. with Texaco gasifiers and some processing wrinkles (diagram)	N	Apr 18	34
Paper industry recovery increases sales	N	Mar 21	10	Carbon black plant contract to Toyo Engineering	May 2	20		— Letter	N	June 27	5
Prices N Mar 21-65, N Apr 4-26, N	N	June 6	35	Electron beam system sold by Energy Sciences to Shanghai Electrical Machinery	May 9	33		Fluidized-bed boilers: A rekindling of interest (diagram)	N	June 20	44
Caustic Soda see also Chlor-Alkali				Gum rosin exports	Mar 7	20		Fluidized-bed combustion know-how: joint company, KRW Energy Systems	N	Apr 25	30
CECIC — Europe faces more petrochemical shutdowns	N	June 20	50	International forecast: A business pick-up for non-U.S. companies (charts & tables)	Jan 25	64		Gasification see Gasification			
Cellulose — Commodities from biomass: where we're headed	N	Apr 4	36	Joint bioventures	Jan 11	16		Osce Fuel, joint venture, to research and develop coal-water fuels	R	Feb 1	17
Cement — Grouts help speed structural repairs	N	Mar 7	30	Montedison negotiating for joint ventures	Mar 28	22		Synthetic fuels see Fuels			
Centers for Disease Control — Agent Orange/Vietnam Experience study (table)	N	Mar 28	14	Petrochemical projects get priority	May 16	29		Coalition for International Trade Equity — Chemical trade squabbles: The industry is divided over protectionism (charts)	N	Mar 28	34
				Potash: World potash is moving again (chart)	Mar 14	36					
Ceramics				Sumitomo says China may become the single largest client for LDPE and polypropylene from Singapore unit	Mar 14	28		Coatings			
Alumina chemicals: Looking for an upturn	N	May 23	20	USITC finds dumping of barium chloride and barium carbonate from China	Feb 1	25		Akzo to acquire Lanchem which will operate as a subsidiary of Akzo Coatings America	N	Feb 1	9
Battelle developing stress-tolerant ceramics	N	Mar 14	46	Chinese Tallow Tree — Chemicals from 'wild' plants	May 16	30		— Correction	N	Apr 25	5
Chemical vapor deposition: AAAS symposium	N	June 6	34	Chlor-Alkali				Aquanautics protein-based chemical coating for bass lures	R	June 13	17
Chem Mart '84 — CSMA's first trade show highlights new aerosols	N	May 16	21	BP Chemicals sells Sandbach Div., chlor-alkali operation, to Hays Group	Mar 21	20		Architectural coatings: For paintmakers, sharp marketing and sharp pencils (charts)	N	Apr 4	10
Chemical Industry Assn. — 1984 Winthrop-Sears Award: Why PRC's Gregory won CIA's award	N	Apr 25	47	Chlor-alkali: Squeezing earnings from a low-growth business (charts & table)	Feb 1	26		Asbestos containment: A controversial alternative	N	June 20	33
Chemical Industry Council of New Jersey — Groundwater protection program	N	Jan 11	14	— Letter	Apr 11	5		Automobile windshields: antilacerative coatings come a step closer	N	May 23	25
Chemical Industry Institute of Toxicology				Derivatives prices	Apr 11	5		Battelle study to improve coatings for U.S. Coast Guard's buoys	N	Mar 14	46
CIIT: Happy 10th birthday — and many more! Viewpoint	N	June 27	3	Dow acquires Allied membrane patents for chlor-alkali production	Mar 14	34		GE commercializing technology for silicone polyimide dielectric coating technology	R	Mar 7	16
A decade of success for CIIT	N	June 27	83	Dow takes write-off on Midland, Mich. plant	Feb 22	9		GE wafer-coating, key to new chip technology	R	June 6	17
CIIT toxicity testing: The pace is deliberate	N	June 27	85	Occidental Chemical will convert Taft, La. chlor-alkali unit to membrane cells	June 6	17		Ink Technology to grant marketing rights to UV-coatings to S.C. Johnson	R	Mar 21	19
Industrial Health Foundation symposium: epidemiology studies and animal tests are the best means of assessing risks to people	N	May 23	14	Prices N Mar 21-65, N	June 6	35		Markets continue strong	N	Jan 4	20
Neal comments on ACSH report challenging cancer risk assessment	N	May 9	26	Sweden: Billerud completes chlor-alkali conversion to membrane cell output	Feb 22	20		Mobil Chemical to sell U.S. and Canadian industrial-coatings businesses to Valspar	N	May 23	4
A research-maintaining budget for EPA? (chart)	N	Apr 4	27	Uptrend continues	Jan 25	24		Valspar's bid for greater growth (chart)	N	May 30	12
Chemical Manufacturers Assn.				Chlor-Alkali see also Caustic Soda; Chlorine				PPG introduces fire-protective coating	N	May 9	33
Annual meeting (112th): CMA consensus — "Enjoy 1984"	N	June 13	16	Chlorides — First U.S. clay-based metallic chlorides plant	Feb 15	33		Polyester powder resin prices	N	Apr 25	27
Conservation Foundation's "State of the Environment": High marks for a cleanup report	N	June 20	17	Chlorine				Pratt & Lambert buys line of powder coatings from Cook Paint & Varnish	N	Feb 8	9
Contract to University of Pittsburgh to study the link between arsenic and cancer	N	Apr 4	34	Chlor-alkali: Squeezing earnings from a low-growth business (charts & table)	Feb 1	26		Shipments rise and value soars	N	Jan 25	24
Fernandez, Louis at annual meeting: Good public works need a strong public voice — Other views	N	June 13	3	— Letter	Apr 11	5		UC starts up Bound Brook, N.J. plant for thickeners for architectural coatings	R	Feb 29	12
Glycol ethers: CMA responds to EPA's proposal to regulate glycol ethers	N	Apr 4	40	Membrane patent agreement signed by Du Pont and Asahi	May 9	33		Coextrusion — Dow and Welox settle feedback coextrusion patent suit	R	May 2	19
GSP reforms proposed	N	Feb 15	48	Olin will convert McIntosh, Ala. plant's diaphragm cells with ion exchange membranes	Apr 18	37					
Ocean shippers get antitrust immunity	N	Mar 14	21	Prices N Feb 29-23, N Mar 7-24, N Mar 21-65, N May 30-24, N June 6-35, N	June 27	16		Coke			
Patent bill supported by industry	N	Apr 11	58	Swimming-pool chemicals: Chemical makers play hard-nosed polo in the pool (chart & table)	Mar 7	10		Desulfurizing petroleum coke	N	Mar 21	78
Superfund bill see Waste Disposal				— Letter	Apr 4	5		Desulfurizing petroleum coke: Diamond West's route yields coke for aluminum-refining anodes	N	Apr 4	22
Chemical Marketing Assn. — The looming LPG glut. John M. Winton (charts, table, map)	N	May 2	32	U.S. output holds gains	Feb 15	25		FMC plans formcoke capacity expansion at Kemmerer, Wyo.	N	Feb 29	12
Chemical Specialties Manufacturers Assn.				Uptrend continues	N	24		College Placement Council — More jobs but tight money	R	May 23	17
Aerosol product survey: Chem Mart '84, CSMA's first trade show	N	May 16	21	Chlorine see also Chlor-Alkali	Jan 25	24		Colors & Colorants — PPG Industries' plastic color concentrates business to be sold to Harwick Chemical	N	Jan 18	9
Conservation Foundation's "State of the Environment": High marks for a cleanup report	N	June 20	17	Chlorofluorocarbons see Fluorocarbons				Combustion — Fluidized-bed combustion: A rekindling of interest in fluidized bed boilers (diagram)	N	June 20	44
Chemical Warfare				Choline Chloride — Imports: Syntex anti-dumping petitions claim foreign producers trying to drive U.S. competitors out of business (chart)	Jan 18	14		Commercial Development Assn. — UC plans wider vistas for petrochemical know-how	N	Mar 14	11
Exports to Iran and Iraq: new rules on exports to counter chemical warfare	N	Apr 11	58	Chromatography				Communications			
"Military" gene project to combat dysentery stirs furor	N	Feb 15	12	Distributed system of gas chromatography	June 20	26		Information systems: Decentralizing information systems (charts)	N	May 23	26
"Chemical Week"				Field-flow fractionation, a form of chromatography; AAAS symposium	June 6	34		Investor relations: Courting with more finesse (tables)	N	Feb 15	34
McCurdy, Patrick P.: Welcome back, Pat — Publisher's page	N	Mar 7	5	Cigarettes — Merrell Dow's Nicorette, chewing gum, helps smokers quit	Mar 14	22		Investor relations: Telling it to Wall Street — Viewpoint	N	Feb 15	3
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- Chemical companies will spend less on pollution May 30 40
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- Environmental Resource Council — EPA's research budget: Still far below 1980 in real terms (chart) Apr 4 27

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- Nerve gas antidote may result from contract to Bio-Response N Feb 29 28
- China: Promega Biotech and Louyang District Foodstuffs Company form joint venture Jan 11 16
- Chymopapain: A back-drug labeling change R June 20 23
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- BEC's solvent pulping process N Jan 4 26
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Industrial gases heat up in Europe		Mar 21	66	Cetus and Grace joint venture for bio-engineered farm products: Possibly the largest bioventure	June 20	15	Carbon fibers: France reshuffles projects	N	Apr 18	28
International forecast: A business pickup for non-U.S. companies (charts & tables)		Jan 25	64	Herbicides follow the current trend to low-till farming (table)	May 9	12	DSM and Toyobo will develop super-strength polyethylene fiber	N	Mar 21	20
Lead-free gas: Unleaded gasoline advances in Europe	N	May 9	25	"Organic" farming research bid sparks a blast from FI	June 27	16	EPA sets final emission rules for fiber plants	N	Apr 18	52
Europe forms up for lead-in-gasoline rules		May 30	16				Fibers had a good first quarter	N	Mar 28	12
Controversy on lead-free gasoline	N	June 6	18	Fatty Acids			Forecast: an upbeat forecast from Econviews International	N	Feb 1	25
More capacity for an octane booster: MTBE plant in U.K.	N	June 13	20	Emery Industries' fatty-acid expansion onstream at Cincinnati, O.	Mar 28	9	France: good year for synthetic fibers	N	Apr 25	25
EC softens its stand on lead-free gasoline	N	June 27	90	Prices N Feb 8-24, N Feb 29-23, N Apr 25-57, N May 9-60, N	June 20	60	Graphite fibers: Hercules' strategy — full speed ahead	N	Feb 29	5
LPG: Algerian capacity may be a bonanza for Europe's petrochemical makers (chart)		Jan 25	16	The prospects are mixed for tall oil	Mar 7	20	Great Britain: fibers performance — good but not great	N	June 6	18
LPG from Algeria eyed	N	Jan 18	20	Fermentation			Great Britain: man-made fiber production	N	Mar 14	28
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Petrochemical business improvement: Signs of a peak in Europe's recovery	N	Feb 1	20	Continuous fermentation: There's new life in continuous fermentation	Feb 22	42	Hysol Grafil's carbon fiber plant at Sacramento, Calif. in the works	N	June 20	50
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Petrochemical shutdowns likely	N	June 20	50	Annual meeting: A fertilizer forecast high as an elephant's eye (chart)	Feb 22	10	Japanese fibers performance: somewhat better	N	June 6	18
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Research-fund crisis	N	June 20	20	Allied to sell liquid fertilizer business to AAC Holdings	Jan 4	9	Polyesters			
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A big trade setback for U.S. producers (tables)		Feb 29	24	Esmark's Estech up for sale: leveraged buyout possible	Feb 29	9	Trade balance worsening	N	May 23	25
Bullish producers are rebuilding — but with restraint (chart & table)		Feb 1	10	Kohlberg, Kravis & Roberts makes acquisition offer for Esmark, including Norton Simon and Estech	May 9	11				
Signaling trouble in trade (chart)		June 6	13	Esmark leveraged buyout puts Estech buyout on hold	May 16	11	Financial			
Soaring imports shrink the surplus in chemical trade (chart)		June 20	14	European fertilizer dispute	June 6	16	Abroad: sunshine and clouds — Viewpoint			
Chemical trade squabbles: The industry is divided over protectionism (charts)		Mar 28	34	CdF Chemie's Cartalas says the competition from Dutch producers is still "unfair"	June 13	20	Allied's capital-improvements program includes four fiber projects	N	Apr 18	9
Chemical warfare: new rules on exports to Iran and Iraq to counter chemical warfare	N	Apr 11	58	A fertilizer forecast high as an elephant's eye: FI annual meeting (chart)	Feb 22	10	Ashland Oil: Building a business on small business	N	Apr 11	26
Dumping see Imports				Fertilizer movement maintains momentum, but lose ground in foreign trade	May 16	51	Letter	N	Apr 25	5
East-West trade				Gardiner wins a gypsum dump: Florida compromise plan approves a second site	June 13	9	Avtex steps out in style with specialty fibers	N	May 16	52
U.S.-Soviet trade: picking up again	N	May 30	18	Germany's Hoechst backs away from fertilizers	June 20	18	Biotech firms scramble for new ways to raise cash	N	May 23	9
EC tightens the trade screws: methanol, VAM, styrene, and PE sheet and film subject to new tariffs (table)		Jan 25	17	International market outlook: FI meeting	Apr 25	25	Biotechnology report from OTA: To ensure biotech's future — Viewpoint	N	Feb 1	3
Export trading companies: Now banks are selling chemicals (table)		June 27	92	Israel Chemicals Ltd.: A bold expansion policy abroad pays off for ICL	June 20	60	The tenuous U.S. lead in biotechnology (chart)	N	Feb 1	21
Fertilizers lose ground in foreign trade	N	May 16	51	Israel's fertilizer industry to get boost from rail line	Feb 8	21	Biotechnology: Why Wall Street wants more biotechnology data	N	Mar 7	22
Fibers: trade balance worsening	N	May 23	25	Jacobs Engineering licenses Norsk Hydro Fertilizers' processes	May 30	18	CdF Chemie holds low cards, bets high	N	Apr 18	30
Forecast 1984: The gains for chemicals will continue (charts & table)		Jan 4	30	Marketing co-ops: Farmland Industries and the Missouri Farmers Assn. considering a merger as a means of restoring their financial stability	Mar 7	30	Canada's Nova shines, but less brightly	N	May 27	88
France's Esso Chimie's sales and earnings: exports are the key to profits	N	Mar 21	20	Movement posts new gains	June 13	9	Capital spending, flat for four years, is taking off (charts & table)	N	May 16	12
Generalized System of Preferences: Trade groups propose more reforms for GSP	N	Feb 15	48	Nitrogen fertilizers: a bleak outlook	June 6	35	Capital spending: lifting the lid on capital spending	N	Feb 29	16
Great Britain: A good first quarter — CIA survey	N	May 16	29	"Organic" farming research bid sparks a blast from FI	June 27	16	Capital spending: Now, more for modernization — CW annual survey (tables)	N	Mar 14	11
Great Britain: man-made fiber exports	N	Mar 14	28	Shipments post a gain	Jan 11	25	Capital spending: A prudent boost in spending — Viewpoint	N	Jan 11	3
International forecast: A business pickup for non-U.S. companies (charts & tables)		Jan 25	64	USDA forecasts fertilizer growth	Apr 25	57	Celanese Mexicana: How Celanese Celanese has beaten the odds	N	May 16	17
ITA's Basic Industries Sector program will inform the chemical industry on trade	N	May 16	68	U.S. fertilizer demand soars	Mar 7	24	ChemDress: "Buy American" — firm stresses reprographic chemicals	N	Mar 21	47
Israel gears up for bromine exports	N	May 2	20	Wycon Chemical plans fertilizer expansions	Jan 18	18	Chemel refinances to improve its balance sheet	N	Jan 4	9
Latin America — Chemical exports: At stake in the international banking rescue (charts)		June 20	53	Fertilizers see also individual fertilizers, Ammonia; Nitrogen; Phosphate etc.			Chemical industry leading indicator (chart & table) Feb 1-18, Mar 7-18, Apr 2-40, May 2-40	N	June 6	5
Pesticides: export growth	N	Jan 18	28	Fiber Optics			Chemical makers' books take on a healthier note: debt-to-equity ratios for 16 companies (table)	N	Mar 21	70
Phosphates and potash: FI annual meeting	N	Feb 22	10	Chemical vapor deposition: AAAS symposium	June 6	34	CMA annual meeting (112th) consensus: Enjoy 1984	N	June 13	16
Potash: export surge bolsters the potash market	N	Feb 15	25	Patent squabble: Corning claims patent infringement by Sumitomo Electric	Apr 18	17	Chemical Week Financial Reports			
Soda ash bounds ahead	N	Mar 28	42				Chemical industry leaders, 4th qtr. '83 (tables)	N	Feb 15	30
Soda ash exports set a record in 1983	N	Feb 29	23				Process industries, 4th qtr. and 1983 (charts & tables)	N	Mar 7	36
Swiss exports on the rise	N	Mar 7	20				Chemical industry leaders, 1983 annual (charts & tables)	N	Apr 25	58
Tall oil: the prospects are mixed; cheap gum rosin from Portugal and China		June 13	28				Chemical industry leaders, 1st qtr. '84 (tables)	N	May 23	28
West German chemical firms display new strength (charts & table)							Process industries, 1st qtr. '84 (charts & tables)	N	May 30	28
							CW's leading indicator: Halcyon days ahead for chemical companies	N	Jan 4	9
							Chlor-alkali: Squeezing earnings from a low-growth business (charts & table)	N	Feb 1	26
							Letter	N	Apr 11	5
							Commerce Dept. see a sunshiny 1984 for chemicals	N	Feb 29	5
							Dividends: A skill test for management — Viewpoint	N	Jan 18	3
							Dividends: Wall Street sees dividend hikes ahead (table)	N	Jan 18	30
							Dow's capital spending shrinks, R&D budgets climb	N	Mar 21	9
							Du Pont sells a can-coating business, trims its debt	N	Jan 11	9
							Earnings: A bullish outlook for chemical profits — CW survey (chart & table)	N	June 13	26
							Economic recovery: Bullish producers are rebuilding — but with restraint (chart & table)	N	Feb 1	10
							Electric utilities seeking government help from financial debt created by building nuclear power plants	N	May 2	44

DOE proposes a utility aid package N	May 16	68	President's Private Sector Survey on			FAA calls for fire-blocking seat fabrics:			
Energy futures: easier terms for trading			Cost Control: Strong medicine for			polyurethane-foam cushion	Feb 15	13	
in propane futures — Viewpoint	May 16	51	curbing federal costs	Jan 25	14	Firestone Foam Products to be sold			
EPA's budget			Raychem tries to get the magic back	Jan 25	62	to Foam Acquisition	May 9	22	
Brains and cash for EPA — View-			Reichhold Chemicals' rating raised by			Flexible foams profit from urethane			
point	Feb 1	3	S&P: a bouquet for Reichhold's new			surge	Apr 11	13	
EPA needs good science, not an in-			management — N	Apr 11	11	Food packaging: For plastics, new ac-			
flated budget — Viewpoint	Apr 4	3	R&D: How stocks and R&D partner-			tion in food packaging (chart)	Jan 18	25	
Other views: EPA needs R&D			ships can interrelate — N	Mar 28	33	Hair-care mousers: a boost for chem-			
money now to avoid waste later.			R&D spending: Closeup of research			icals	Mar 21	71	
William Drayton	Apr 25	3	and development. Another forward			Wilco's big win in foam patent suit may			
A research-maiming budget for EPA?			year for CPI spending — McGraw-			affect makers and users of rigid			
(chart)	Apr 4	27	Hill survey (tables)	June 6	30	polyurethane foam	June 6	11	
Chemical majors join push for more			R&D spending: Industry increasing			Wilco sells domestic Isoform urethane			
EPA R&D funding — N	Apr 11	58	spending — N	Jan 4	44	foam business to Plastics Manage-			
House approves an increase in			Restructuring: Basics and plastics can			ment — R	Feb 15	16	
EPA's budget — N	May 30	40	be special, too — Viewpoint	May 23	3				
EPA funding gets a boost	June 6	14	Restructuring and the need for spe-	May 30	3	Food			
Europe's research-fund crisis	June 20	20	cial people — Viewpoint			EDB substitutes: FDA wants to give the			
Executive compensation: With chemi-			Risk assessors: How processors assess	Feb 22	29	nod to irradiated food as a possible	Feb 22	50	
cal earnings up, salaries and bonuses			plant risk (diagram)			EDB alternative — N			
rise — CW's annual compensation			Sales and earnings			EDB substitutes: Monsanto will urge			
survey (charts & tables)	May 9	36	Fourth-quarter '83: Chemicals re-	Jan 25	10	irradiating with electron beams;			
Export trading companies. Now banks			bound from recession lows (table)			BOC's Airco plugging carbon diox-	Feb 22	9	
are selling chemicals (table)	June 27	92	Fourth quarter '83: CEOs smile at	Feb 1	11	ide — N			
Federal budget: Key agencies fare well			company gains (table)			Irradiation: EDB alternatives explored	May 16	68	
in Reagan's budget (table)	Feb 8	10	Fourth quarter: A triumphant fourth	Feb 8	11	at Congressional hearings — N			
Federal budget: More money for agri-			quarter (table)			Irradiation: Some rays of hope for ir-	Apr 11	33	
cultural biotech research — N	June 6	40	First-quarter results: early-reporting	Apr 18	9	radiating food (chart)	R	May 23	17
House deletes biotech, guayule rub-			companies — N	Apr 25	15	Massachusetts rules on EDB levels in			
ber funds — N	June 13	40	First-quarter — A consensus: 1984	May 2	10	ready-to-eat foods — R	June 27	12	
Federal budget: No good news on de-	Feb 8	3	looks good (table)	May 9	12	P&G getting poised for big new mar-			
fects — Viewpoint	Feb 1	42	First-quarter: Chemical momentum			kets	Feb 8	16	
Federal budget: Reagan's budget calls			keeps on building (table)			P&G recalls EDB-laced muffin mix from			
for a Superfund extension — N	Jan 4	30	First-quarter: Profits retake the high			California stores — R	May 23	12	
Forecast 1984: The gains for chemi-			ground (table)			Sodium-content labeling for food: Church			
cal will continue (charts & table)	June 13	40	Sales and earnings for individual com-	May 16	29	& Dwight asking FDA to reconsider			
Foreign investment in U.S. chemical	June 6	18	panies see under company name in	Jan 18	20	rules covering sodium bicarbonate			
firms rises — N	Mar 14	28	Company Index	May 30	9	Food Additives			
France's CDF Chimie gains some	Feb 15	18	Spain's RT: No easy way out — N	May 9	11	EDB alternatives explored at Congres-	May 16	68	
ground — N			Standard Oil (Ind.) stock-buying move	May 2	9	sional hearings — N			
France slows capital investment in			starts up the run for more	Mar 28	22	EDB substitutes: FDA wants to give the	Feb 22	50	
chemicals — N	Apr 11	11	Stock splits at Allied and Monsanto	Apr 25	11	nod to irradiated foods as a possible			
French chemical profits disappoint — N	May 16	18	N Stocks: Four companies buy their own	June 27	7	EDB alternative — N	Feb 22	9	
Fuller, H.B. first-quarter report: rising			stock and debentures — N	May 23	4	EDB substitutes: Monsanto will urge	Apr 11	23	
sales and two write-offs — Multi-	Mar 28	9	Union Explosivos Rio Tinto's loan re-	May 30	12	irradiating with electron beams;	Mar 14	24	
Clean business and loss of assets in			payment plan is okayed — N	Apr 11	3	BOC's Airco plugging carbon diox-			
Lebanese war zone — N	Apr 11	11	Unirroy's a long-awaited payout for	Apr 11	44	ide — N			
GAF: Heyman won't be at GAF	May 16	18	owners — N	June 13	28	IGI Biotechnology develops gum arabic	Feb 22	50	
GAF's plan: record-high profits and a			Upjohn's high-level shift could result	Apr 4	18	alternative, Poly-Levulan — N	Feb 22	9	
big write-off — N	Jan 11	9	in a trend away from chemicals — N	May 9	33	Pfizer introduces salt substitute, potas-	Apr 11	23	
Georgia-Pacific reevaluating its chemi-			Valspar's acquisition of Mobil's indus-	June 13	17	sium benzoate — R			
cal strategy — N	Mar 28	9	trial-coatings business — N			Food & Drug Administration			
Grace beefs up its 1984 capital spend-	May 23	4	Valspar's bid for greater growth			Cancer risk assessment challenged by			
ing by 20% — N	Apr 11	24	(chart)			ACSH report	May 9	26	
Great Britain: higher capital spending	Mar 21	74	Venture capital: It takes more than	Apr 11	44	Creating a new Office of Science — N	Apr 4	40	
N Great Lakes Chemical. An aggressive			money — Viewpoint	Apr 11	44	lipoprofen's contested road over the			
growth plan pays off (charts)	Apr 18	13	Making new ventures go. A bankroll	June 13	28	counter: a challenge to FDA's say on	June 6	12	
Interest rates: prime-rate hike dampens			and a hi-tech idea aren't enough	Apr 4	18	consumer advertising	Feb 22	50	
few hopes	Jan 25	64	(chart)	May 9	33	Irradiated food may get the nod as a	June 6	40	
International forecast: A business pick-			West German chemical firms display	June 13	17	possible EDB alternative — N	Apr 11	58	
up for non-U.S. companies (charts &	Feb 15	34	new strength (charts & table)			Medical ads: Asking the media to help	Apr 25	26	
tables)	Feb 15	3	Finland — Neste's acquisition of Unifos			fight false medical ads — N	Feb 15	26	
Investor relations: Counting with more	Feb 8	21	Kemi approved by Swedish govern-			New drugs: FDA takes a shot at the	May 16	68	
finesse (tables)	Mar 14	28	ment — N			U.K. drug-approving record — N			
Investor relations: Telling it to Wall	Apr 11	51	Fire Protection — PPG introduces fire-			Prescription drugs: reactions to direct			
Street — Viewpoint	Feb 8	22	protective coating — N			advertising — N			
Israel Chemicals Ltd. A bold expansion	Feb 29	11	Fire Retardants see Flame Retardants			Probing chemical causes of infertility			
policy abroad pays off for ICL — N			Fish — Aquanautics develops protein-			Young, Dr. Frank E. is new commis-			
Italy: recovery is under way	Jan 11	9	based chemical coating for bass lures:			sioner — N			
Japan's chemicals: Not well but better	Apr 11	51	fish-feeding stimulant — R			FDA regulations, standards, etc. see			
(charts)			Flame Retardants			under specific products			
Kaiser's game plan to get Harshaw	Feb 29	10	Airline safety's boost for fibers: FAA	Feb 15	13	Forests			
back in shape			calls for fire-blocking seat fabrics			Forest biotechnology symposium: Trees			
Koppers' high-tech hunt: MotorTech	June 20	53	Alumina chemicals: Looking for an up-	May 23	20	may be cultivated for their chemi-	June 20	26	
joint venture; joint venture with DNA	Jan 11	28	turn	Apr 11	23	icals...but it also may prove costly — N			
Plants Technology	Feb 29	11	Ethyl expanding flame retardants ca-	Mar 7	16	Spraying herbicides in U.S. forests			
Latin America: Chemical exports — at			capacity at Sayreville, N.J. — R			banned: opponents predict a mas-			
stake in the international banking	Mar 28	9	M&T Chemicals becomes distributor			sive economic upheaval	May 2	15	
rescue (charts)			for Israel's Makhteshim Chemical			Formaldehyde			
Locitite: Can Locitite get back on track?	June 13	5	Works' brominated fire tamers — R			CPSC formaldehyde hazards panel			
(charts)			PPG will license brominated flame			seeks scientists — N	Mar 7	40	
Mexico's bid for foreign cash	June 20	48	retardant technology from Great Lakes			Electrolytic route to ethylene glycol:	Feb 22	32	
Monsanto's stock, now at \$94/share,	Jan 11	28	Chemical — N			electrohydrodimerization of formal-			
may be split — N	Apr 11	24	Prices move higher — N			dehyde — N	May 23	40	
Monthly business report (charts) Jan	Feb 29	11	Why the EDB health flap may hurt			EPA moves to fast track formaldehyde			
18-19, Feb 15-17, Mar 14-26, Apr			bromine (chart)			under TSCA — N			
18-19, Feb 15-17, Mar 14-26, Apr	June 20	48	Flavors & Flavoring — Grace and Syner-			process makes EG from methanol and			
18-19, Feb 15-17, Mar 14-26, Apr	Jan 11	28	gen sign agreement to develop micro-			formaldehyde: Electrolysis process			
18-19, Feb 15-17, Mar 14-26, Apr	Apr 11	24	organisms that make flavors and fra-			makes EG by the electrohydro-			
18-19, Feb 15-17, Mar 14-26, Apr	Feb 8	9	grances — N			dimerization of formaldehyde —	Mar 7	35	
18-19, Feb 15-17, Mar 14-26, Apr	Apr 11	44	Florida Institute of Phosphate Research			Foam insulation see Insulation			
18-19, Feb 15-17, Mar 14-26, Apr			— Phosphogypsum wastes: research-			Formaldehyde's run for life on the "fast			
18-19, Feb 15-17, Mar 14-26, Apr	Jan 4	3	ers look at use as a road base and a			track" (table)	May 30	10	
18-19, Feb 15-17, Mar 14-26, Apr	Jan 25	12	construction material — N			Prices — N	June 13	24	
18-19, Feb 15-17, Mar 14-26, Apr	Mar 7	14	Florida State University — Probing chemi-			N Urea-formaldehyde see Urea-Formal-			
18-19, Feb 15-17, Mar 14-26, Apr	June 13	12	cal causes of infertility			dehyde			
18-19, Feb 15-17, Mar 14-26, Apr			Fluorocarbons — Allied to expand cap-			Foundation on Economic Trends			
18-19, Feb 15-17, Mar 14-26, Apr	Jan 18	18	acity for Genesolv and Ganetron fluoro-			Genetic frost-resistance test may be			
18-19, Feb 15-17, Mar 14-26, Apr	Jan 25	3	carbon products at Baton Rouge, La. R			blocked by environmentalists — N	Apr 25	76	
18-19, Feb 15-17, Mar 14-26, Apr			Fluoroelastomers — Montedison's U.S.			More oil on the r-DNA field-testing	June 13	14	
18-19, Feb 15-17, Mar 14-26, Apr	Mar 7	14	sales rep. Cambeo Inc., will pitch elas-			flames	Feb 29	3	
18-19, Feb 15-17, Mar 14-26, Apr	June 13	12	tomers to Detroit			Let's keep RAC in charge — Viewpoint			
18-19, Feb 15-17, Mar 14-26, Apr			Foam			Regulatory chaos looms for biotechnol-			
18-19, Feb 15-17, Mar 14-26, Apr	Jan 18	13	Ammonia from wet air by use of silica			ogy: environmentalists demand im-			
18-19, Feb 15-17, Mar 14-26, Apr	May 30	32	substrates — N			act statements for field tests of			
18-19, Feb 15-17, Mar 14-26, Apr	Jan 25	3	Arco launches new expandable plastic,			r-DNA products	Feb 29	35	
18-19, Feb 15-17, Mar 14-26, Apr			Arce						
18-19, Feb 15-17, Mar 14-26, Apr			Dow to up Styrofoam insulation cap-						
18-19, Feb 15-17, Mar 14-26, Apr			acity at Gales Ferry, Conn. plant — R						

Fragrances — Grace and Synergen sign agreement to develop microorganisms that make flavors and fragrances . . . N

France

Atochem will consolidate production units . . . N
Capital investment in chemicals slowed . . . N
Carbon fiber projects shuffled . . . N
CDF Chimie gains some ground . . . N
CDF Chimie holds low cards, bets high . . . N
CDF Chimie plans cutbacks . . . N
CDF Chimie will build feedstock unit for Qatar project . . . N
Chemical profits disappoint . . . N
Compagnie des Vernis Valentine, paintmaker, acquired by ICI . . . N
Drug price policy displeases French producers . . . N
Electricity rates: an impasse . . . N
Esso Chimie's sales and earnings: exports are the key to profits . . . N
Fertilizer producers offered a break on natural gas rates . . . N
Fibers: good year for synthetic fibers . . . N
Glass container technologies . . . N
International forecast: A business pickup for non-U.S. companies (charts & tables) . . . N
Plastics: Words of caution on plastics growth . . . N
Pricing agreement: chemical producers not happy . . . N
Rhône-Poulenc cuts phenol capacity . . . N
Rhône-Poulenc plants lysine plants . . . N
Uranium Pechiney recovering minerals from clay-bearing ores . . . N

Freight Rates

Another shipper/railroad brawl: chemical makers cry foul to higher rates and fewer choices of carrier . . . N
Keep the rails competitive — Viewpoint . . . N
Ocean shippers get antitrust immunity . . . N

Fuel

Brewster Phosphate will convert phosphate rock dryers to coal-oil mixtures . . . N
The rekindling of interest in fluidized bed boilers: Solid Circulation Boiler promises to burn cheap fuels efficiently (diagram) . . . N
Synthetic fuels
Canada's synfuels: A cautious phoenix . . . N
DOD needs synfuels for space-age tests: NRC report urges the department to build its own facility (table) . . . N
Kellogg Rust and Westinghouse to set up joint synfuels company . . . N
Synthetic Fuels Corp.
Adopts a definitive schedule for awarding contracts . . . N
Funding decisions approach controversy . . . N
Sohio, Phillips and Sun Shale Oil will no longer seek loan or price guarantees . . . N
Readies price and loan supports for six synfuels projects . . . N
Thompson, Victor M. resigns . . . N
Thompson resigns: SFC has the staggers . . . N
SFC faces cuts in funding . . . N
To the White House: Reconsider synfuels cuts . . . N
Fuel see also specific fuel, **Coal; Natural Gas; Petroleum** etc.

Fuel Cells

Occidental Chemical will convert chlor-alkali plant at Taft, La. to membrane cells . . . R
Olin's chlorine plant at McIntosh, Ala. will replace diaphragm cells with ion exchange membranes . . . N
Sweden: Billerud completes chlor-alkali conversion to membrane cell output . . . N
Fumaric Acid — Prices N Jan 11-25 . . . N
Fumigants — EDB see **Ethylene Dibromide**
Furniture — Urethanes' double-dip surge: autos and furniture . . . N

G

Gallium — Sumitomo plant uses "special adsorbent" to extract gallium from bauxite . . . N
Garlic — Synthesizing garlic's active ingredient: Univ. of Minnesota study at ACS meeting . . . N

Gas

Air Products Europe will build industrial gases plant at ICI's Billingham complex . . . N

Air Products Ireland formed to market industrial gases to customers near Dublin . . . R

Atmospheric gas output climbs . . . N
Atmospheric gases: Sales are up, but margins are thin for air gases . . . N

BOC Group air-separation facility at Kittery, Me. due onstream . . . N

Distributed system of gas chromatography . . . N

HYGAS/PEATGAS pilot plant: DOE transferring operation and management to IGT . . . N

Industrial gases: prices N Apr 11-38 . . . N
Industrial gas production in 1983 . . . N
Industrial gases heat up in Europe . . . N

Landfill gas: Tapping the hidden treasure in landfill gas . . . N

Nerve gas: an enzyme may offer protection from nerve gas . . . N
Nerve gas antidote may result from Bio-response contract . . . N

Test facility to simulate liquid gas spills to be built by EPA . . . N
U.S. Army wants manufacturer to build plant for "super-tropical bleach," a decontaminant for mustard gas . . . N

Westaco will offer system to control the harmful effect of corrosive gases on electronic control devices . . . N

Gas see also **Natural Gas** and specific gas

Gasification

Advanced-flash hydrolysis: testing out a new gasification concept . . . N
Burning coal to extract oil: new process, Total Resource Energy Extraction (TREE) . . . N

Eastman's acetic anhydride from coal plant at Kingsport, Tenn. with Texaco gasifiers and some processing wrinkles (diagram) . . . N

Letter
HYGAS/PEATGAS pilot plant: DOE transferring operation and management to IGT . . . N

SFC readies price and loan supports for synfuels projects . . . N

Synfuels legislation see **Fuel**
TRW's Beacon process: Making syn-gas from gasifiers' methane . . . N

Gasoline

Additives
EDB see **Ethylene Dibromide**
Methanol-TBA additive: four Missouri gasoline distributors sue Arco Chemical . . . N

Shell Oil launching octane improver, PDP-5400 . . . N

Canadian Parliament's subcommittee on acid rain advocating phasing out of TEL by 1995 . . . N

Ethanol see **Ethanol**
Gasohol makers are filling up for the long haul (table) . . . N

Lead-in-gas: Canada sets date for reduced lead use . . . N

Lead-in-gas: EPA's proposed rule to phase out leaded gasoline may mean an earlier demise for Ethyl's antiknock business . . . N

Lead-in-gas: EPA speeds up phase-out of leaded gasoline N Mar 7-40 . . . N

Lead-in-gas: Unleaded gasoline advances in Europe . . . N

Europe forms up for lead-in-gasoline rules . . . N

Controversy on lead-free gasoline . . . N
More capacity for an octane booster: MTBE plant in the U.K. . . . N

EC softens its stand on lead-free gasoline . . . N

Methanol as a fuel alternative to gasoline recommended . . . N

Methanol see also **Methanol**
MTBE see **Methyl-Tert-Butyl Ether**
Octane boosting: BTX vs oxygenates — battle over lead substitutes (chart) . . . N

Gels — Aerogels: project to determine whether aerogels can be used to insulate windows . . . N

Generators

Cogeneration: Air Products to build cogeneration plant at New Orleans complex . . . R

Cogeneration is cogeneration coming of age at last? Texas study outlines a formula for establishing avoided costs (table) . . . N

Cogeneration/utility fuses over avoided costs: Louisiana processors press for better prices for excess power . . . N

Natural-gas gate stations considering electric generators powered by pipeline pressure . . . N

Winning more watts from waste heat: thermoelectric generators (diagram) . . . N

Genetic Engineering

AgriGenetics funds Australian research on genetic engineering of corn . . . N

Amgen joint venture with Kirin Brewery to make and market a synthetic hormone for boosting red blood cells . . . N

May 23-9 . . . N

Amgen makes genetically engineered hormone to counter anemia . . . N

Assn. of Biotechnology Companies, gene-splicing group, seeks faster patent approval . . . N

Biogen patent on alpha interferons to be protested by Genentech and Hoffman-La Roche . . . N

Biotechnical signs pact with Monsanto to develop a pesticide and with H.J. Heinz to develop animal-feed products . . . R

Blood-clotting protein: A wide-open field in the race for factor VIII . . . N

Leader in the factor VIII race: Genentech uses r-DNA to make a blood-clotting protein . . . N

Calgene: Adding market savvy to a biotech startup . . . N

Cetus and Glaxo joint venture for bio-engineered farm products: Possibly the largest? Biocentr . . . N

Cholera vaccine: Univ. of Maryland reports success of genetically engineered vaccine . . . N

Cooperbiomedical drug, alpha-1 antitrypsin for treating emphysema, granted "orphan drug" status . . . N

Fermentation: There's new life in continuous fermentation . . . N

Field-tests of r-DNA products: environmentalists demand impact statements . . . N

Genetic frost-resistance test may be blocked by environmentalists . . . N

Federal court stops an open-air DNA experiment . . . N

More oil on the r-DNA field-testing flames . . . N

New effort to stop open-air r-DNA experiments . . . N

Forest biotechnology symposium: Trees may be cultivated for their chemicals, but it also may prove costly . . . N

Genentech's triple play: tests of gamma interferon, a marketing deal, and a joint venture . . . N

Hilltop Lab Animals trying to breed genetically pure lab animals . . . N

How genetic engineers will customize proteins . . . N

Insulin: Canadian competition in human insulin . . . N

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Microorganisms boost the production of threonine . . . N

'Military' gene project to combat dysentery stir furor . . . N

NH's Recombinant DNA Committee to reevaluate its role . . . N

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Let's keep RAC in charge — Viewpoint . . . N

Regulatory chaos looms for biotechnology . . . N

A call for comments on regulating biotechnology . . . N

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Monsanto sues Stauffer over herbicide Roundup . . . N

Potash: World potash is moving again (chart) . . . N

West German chemical firms display new strength (charts & table) . . . N

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Graphic Arts Technical Foundation — Water-based inks' quality	N	Jan 4	25
Graphite — Fibers: Hercules' graphite-fiber strategy full speed ahead	N	Apr 18	10
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Albright & Wilson puts emphasis on phosphorus chemicals	N	May 16	29
Angus Chemical and Isochem joint venture will build nitroparaffin plant in Wales	N	Jan 4	16
Brent Chemicals Corp.'s Emilio A. Savinelli, president and chief executive officer: For BCC, no easy road to a turnaround	N	Feb 1	9
BP Chemicals sells chlor-alkali, Sandbach Div. to Hays Group	N	June 13	21
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ICI will double capacity for Vitrax high-performance thermoplastic resins	N	Jan 4	16
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Alumina refinery planned: Soviet Union signs letter of intent	N	Feb 1	25
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Guayule

Chemicals from 'wild' plants	N	May 16	30
House deletes biotech, guayule rubber funds	N	June 13	40
Gum, chewing — Merrell Dow's Nicorette, chewing gum, helps smokers quit	N	Mar 14	22

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Gardiner wins a gypsum dump: Florida compromise plan approves a second site	N	June 20	18
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Hair — Upjohn studying minoxidil high blood pressure medication as a hair stimulant	N	Mar 28	19
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Heat — Winning more watts from waste heat: Omnimax to build thermoelectric generators (diagram)	N	Jan 11	25
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House backs payment to Vietnam veterans for Agent Orange exposure	N	Mar 14	20
U.S. Air Force study supports many views in the Agent Orange case: "Ranch Hands" group studied	N	Mar 28	14
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Allelochemicals: Plants that produce their own herbicide	N	May 2	28
Amitrole: tighter restraints	N	May 23	40
Bans on herbicide spraying issued in Oregon and Washington	N	Mar 21	18
Ciba-Geigy to sell home and garden market business	N	May 30	17
Du Pont to commercialize herbicides, Ally and Londa	N	Mar 28	19
EDB see Ethylene Dibromide	N	May 9	12
Herbicides follow the current trend to low-kill farming: the boom in post-emergent herbicides (table)	N	Feb 29	7
Lilly's Treflan: price gambit fizzles	N	Mar 28	48
Monsanto-Spray-Rite Services suit: manufacturers still be wary on resale prices	N	Jan 25	19
Monsanto sues Stauffer over herbicide Roundup in Germany	N	Feb 22	9
Monsanto wins Round One in patent tiff with Stauffer over glyphosate herbicide in the U.K.	N	Mar 14	5
— Letter	N	June 13	20
Monsanto wins round two	N	June 13	20
Round three: New Zealand court restrains Stauffer's activity for glyphosate-based Touchdown herbicide	N	June 20	23
Monsanto's Lasso herbicide ingredient alachlor: EPA now re-reviewing the safety	N	June 20	13
Monsanto's Nitro, W. Va. dioxin-exposure lawsuit: USWA will help finance trial for plaintiffs	N	June 13	9
North Carolina study finds no cancer epidemic triggered by picloram, ingredient in Dow's Tordon herbicide	N	June 27	15

Spraying herbicides in U.S. forests banned: opponents predict a massive economic upheaval	N	May 2	15
Time-release herbicides: How to use less to do more	N	May 23	32
Highways — Phosphogypsum wastes take to the road	N	Apr 25	52
Hiner, Glen H., v-p and group executive of GE's Plastics Group: GE's plastics chief has a winner's drive	N	May 9	57

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Amgen and Upjohn agreement on bovine growth hormone	N	May 23	9
Hybridoma — Monoclonal antibodies' industrial scale-up	N	Mar 28	28
Hydrocarbons — Chlorinated hydrocarbons listed as wastes by EPA	N	Feb 15	48
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Hydrofluoric Acid — Allied starting up facility at Amherstberg, Ont.; Geismar facility being expanded	N	Apr 4	16
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Canadian project uncertain	N	May 16	29
Gas production in 1983	N	Mar 21	65
Industrial gases heat up in Europe	N	Mar 21	66
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FMC plans plant in Canada	N	Apr 11	24
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Treating wastewater by polymerizing pollutants: combination of hydrogen peroxide and the enzyme horseradish peroxidase	N	May 2	37
Hydrogenation — Monsanto's hydrogenation facility for rubber chemicals at plant in Sauget, Ill.	N	May 30	17
Hydroperoxide — Birth-control chemical for cockroaches	N	June 27	96
Hydroquinone Ethers — ChemDesign: 'Buy American'	N	Mar 21	14
Hydroxylamine Sulfate — Allied's proprietary process enables it to become first U.S. source of hydroxylamine sulfate	N	May 2	37
Hypochlorites — Swimming-pool chemicals: Chemical makers play hard-nosed polo in the pool (chart & table)	N	Mar 7	10

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Imaging — Photochemicals' new image: Du Pont and Hercules will push electrostatics beyond photocopyers	N	Apr 4	11
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Imports

African soda ash: two companies, African Selection Trust and AECI fight it out to see whose product will replace imports (map)	N	Apr 11	18
Ammonia imports: controls on Mexican ammonia — FI annual meeting	N	Feb 22	10
Balance of trade	N	Feb 29	24
A big trade setback for U.S. producers (tables)	N	Feb 1	10
Bullish producers are rebuilding — but with restraint (chart & table)	N	June 6	13
Signaling trouble in trade (chart)	N	June 20	14
Soaring imports shrink the surplus in chemical trade (chart)	N	Mar 28	34
Chemical trade squabbles: The industry is divided over protectionism (charts)	N	Feb 1	25
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Barium chloride and barium carbonate dumping from China found	N	Feb 1	25
N Choline chloride: Syntex antidumping petitions claim foreign producers trying to drive U.S. competitors out of business (chart)	N	Jan 18	14
EC lifts restrictions on the price of saccharin	N	Jan 4	16
Polychloroprene rubber dumped in U.S. from Japan, Commerce Dept. finds	N	Feb 1	25
Potash: U.S. continues to probe imports	N	May 16	29
Swimming-pool chemicals: Commerce Dept. ruling against Japanese imports	N	Mar 7	10
Titanium: USITC finds titanium dumping	N	Feb 1	25
East-West trade	N	May 30	18
U.S.-Soviet trade: picking up again	N	May 30	18
EC tightens the trade screws: methanol, VAM, styrene, and PE sheet and film subject to new tariffs (table)	N	Jan 25	17

Fertilizers lose ground in foreign trade	N	May 16	51	Conrail: Who will get Conrail? 14 bids (table)	June 27	10	The battle lines are being drawn over FIFRA reform	Mar 14	14
Fibers: Trade balance worsening	N	May 23	25	Cosden buys Arco's polypropylene facility in La Porte, Tex. N Apr 4-9, (table)	Apr 11	15	Congress pushes for biotechnology regulation	Mar 28	48
Forecast 1984: The gains for chemicals will continue (charts & table)	N	Jan 4	30	Dart & Kraft unloads its plastic specialties: leveraged buyout of five businesses by an employee investor group	Apr 18	12	Household insecticide sales will soar	May 30	24
Generalized System of Preferences: Trade groups propose more reforms for GSP	N	Feb 15	48	Dowell will be folded into Dowell Schlumberger	Feb 29	8	Pesticides	Feb 15	33
Great Britain curbs drug imports	N	June 6	18	Esmark's acquisition by Beatrice Foods: Whither Esmark's and Beatrice's chemicals?	May 30	13	Biological warfare against fire blight	Apr 11	23
Great Britain's popular pesticide rule: industry counts on stricter safety regulations to curb imports (chart)	N	May 23	16	Esmark's Estech up for sale: leveraged buyout possible	Feb 29	9	BioTechnica signs pact with Monsanto to develop a pesticide	Apr 11	23
International forecast: A business pick-up for non-U.S. companies (charts & tables)	N	Jan 25	64	Kohlberg, Kravis & Roberts makes acquisition offer for Esmark, including Norton Simon and Estech	May 9	11	Birth-control chemical for cockroaches	June 27	96
ITA's Basic Industries Sector program will inform the chemical industry on trade	N	May 16	68	Leveraged buyout at Esmark puts Estech buyout on hold	May 16	11	Child-resistant packaging: EPA may ease up on child-proofing of pesticides	Jan 11	43
Japanese imports of silica-encapsulated lead chromate pigments: ITC ban upheld: Du Pont patent infringement suit against Toho and Nihon still pending	R	June 6	17	Faberge will support takeover by McGregor	Feb 1	14	Ciba-Geigy's Larvadox as a control for fly larvae: another bid for approval	May 2	44
Latin America — Chemical exports: At stake in the international banking rescue (charts)	N	June 20	53	Getty Oil and Pennzoil's leveraged buyout agreement: Getty's chemical units may go on the auction block	Jan 11	9	EPA effluent guidelines for pesticide industry to be delayed	Jan 11	16
Methanol: EC tariff assessment and U.S. congressional action	N	Mar 7	12	Getty Oil: Texaco acquisition — Whither Getty's chemicals? (chart)	Jan 18	11	EPA's pesticide regulations: Administration's Pesticide Advisory Committee being formed	Apr 18	14
Natural gas: DOE seeks competitive prices in natural gas imports	N	Feb 29	40	Gulf stockholders approve Standard Oil of California merger: Social must now sell off one of its refineries	June 20	13	EDB substitutes: Challenges for EDB substitutes	Apr 4	14
Natural gas: Trunkline LNG imports from Algeria controversy — DOE ends proceedings	N	Mar 21	84	Italy's specialty firms: Takeover targets (chart)	Jan 4	17	EDB substitutes: Dow's Telone II, goes off the market N Mar 7-9	Apr 4	14
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Petroleum	N	Feb 29	28	Koppers' high-tech hunt: MotorTech joint venture: joint venture with DNA Plants Technology	Feb 29	10	EPA's OPTS: Bringing balance to toxics rules making: Moore: We must ensure that all parties know how we make our decisions	May 9	53
'Arab OPEC' loses ground in U.S. imports	N	May 30	26	Mobil Chemical to sell U.S. and Canadian industrial-coatings businesses to Valspar	May 23	4	EO sterilization pesticides: EPA requests labeling changes	Apr 25	76
Homuz: No chemical crisis yet (chart & map)	N	May 2	12	Valspar's bid for greater growth (chart)	May 30	12	Export growth for pesticides	Jan 18	28
U.S. oil supplies — a warning: crude oil imports will double by 2000 (chart)	N	Apr 18	20	Nalco's electronic niches: acquiring Circuit Services, buying 20% equity stakes in Rodell and Rodell Products	Jan 11	12	'Fairer' bill for pesticide patents — Glickman's bill	May 30	15
Polish producers, Ammax and Kerr-McGee, file for import relief (chart & map)	N	Apr 11	38	Oil-company mergers: legislation	Mar 14	15	Great Britain: mixed results in pesticides	May 23	18
Potash: U.S. potash producers will petition for protection from cut-rate offshore imports	N	Feb 8	15	Pennsylvania antitakeover law: Shareholder Protection Act, signed	Jan 4	9	Great Britain's popular pesticide rule: industry counts on stricter safety regulations to curb imports (chart)	May 23	16
Textiles: To stem the rising tide of textile imports (table)	N	Apr 18	52	Royal Dutch offer for Shell shares 'held in abeyance' as Delaware court rules that \$58/share price wasn't realistic	May 16	22	Industrial Bio-Test Laboratories sentences for three former employees	Apr 18	17
Trade bill see Tariffs	N	Apr 4	18	SCM's bet on tall oil specialties: acquires full ownership of SylvaChem	Feb 15	11	National Agricultural Chemicals Assn. announces new safety program for farm workers exposed to pesticides	Mar 7	40
Trade Remedies Reform Act of 1984 H.R. 4784: House acts to beef up antidumping laws	N	Apr 11	38	Standard Oil of California merger with Gulf Oil: A merger for oil, not chemicals? (chart)	Mar 14	15	NRDC pesticides report: What's a 'safe' pesticides level? (table)	Mar 28	16
UN seeks controls on pesticide trade	N	Apr 4	18	Texas to sell Getty's stations to Power Test	Feb 8	16	Pesticides penetrate clothes reports Univ. of Calif.'s Fenske at ACS meeting	Apr 18	37
Uranium: U.S. producers may ask ITC to investigate impact of uranium imports from Canada (chart)	N	Apr 11	12	Union Carbide to acquire Katalistics fluid cracking catalysts business	Mar 21	13	Reuter Laboratories' nucleopolydrosis virus zaps gypsy moths (table)	Apr 25	19
West German chemical firms display new strength (charts & table)	N	June 13	28	Waste Management's bid for SCA Services could strengthen both firms (chart)	June 20	17	Squeezing insecticides from oranges: fire ants, flies, fleas and weevils succumb to the oils extracted from citrus peel	June 27	20
Incineration				Mergers and acquisitions: for newsletter and wrap-up items see under individual company names in Company Index			Stauffer abolishes early-buy pesticide marketing program	May 2	9
At-Sea Incineration stands by to launch new incinerator ship, Apollo One	N	Feb 8	9	Information Retrieval			UN seeks controls on pesticide trade	Apr 4	18
Chemical Waste Management: delay but no dismay for ocean incineration	N	May 2	14	Optical-disk technology: Du Pont buys the right to use technology from joint venture with Storage Technology	June 13	9	Worldwide pesticide sales prospects good	Feb 8	17
McKesson may acquire a controlling interest in Environmental Systems	N	Apr 4	9	Partition coefficients are available on-line	Jan 18	38	Pyrethroid insecticides: worldwide sales in 1983	Apr 4	18
Ocean-incineration plan of Chemical Waste Management stalls as EPA bans any further incineration in the Gulf of Mexico	N	May 30	40	Inks	Apr 18	10	Inspection — Stauffer wins inspection suit against EPA	Jan 18	44
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Tracers: simpler monitoring of hazardous waste incineration	N	Feb 1	30	Ink Technology to grant marketing rights to UV-cured inks to S.C. Johnson	Mar 21	19	Instruments		
India — Ciba-Geigy gives gift of drugs to fight leprosy	N	Feb 29	16	Inland Waterways	May 16	11	Analyzing a multicomponent liquid stream	Mar 28	33
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Center for Advanced Research in Biotechnology, CARB: new biotech center allies diverse groups	N	Feb 22	16	— Letter	June 27	5	CO monitor from Syconex	Apr 25	30
Industry worries about biotechnology rules	N	Apr 18	52	Insecticides			Esco investments in analytical equipment	June 6	17
Price comments on NEPA	N	June 13	14	Agricultural chemicals see Agricultural Chemicals			Lab instruments for rent from United States Analytical Instruments	Jan 18	14
Why Wall Street wants more biotechnology data	N	Mar 7	22	Ciba-Geigy to sell home and garden market business	May 30	17	Medical diagnostics: Hot and tough to crack — Viewpoint	Feb 29	3
Industrial Health Foundation — Symposium: Weighing the risks of nylon-wrapped food	N	May 23	13	Federal Insecticide, Fungicide and Rodenticide Act	Jan 11	42	Medical diagnostics. A red-hot market for chemicals and hardware (table)	Feb 29	30
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Biotechnology report from OTA: To ensure biotech's future — Viewpoint	N	Feb 1	3	Tightening up on emergency use of pesticides (table)	Feb 1	42	Medical instruments company, Quinton Medical, acquired by A.H. Robbins	Jan 18	18
The tenuous U.S. lead in biotechnology (chart)	N	Feb 1	21	Accord sought on the pesticide law	Mar 7	14	Robots that will sniff chemicals: combining gas-sensitive sensors and microprocessing	Mar 14	29
How manufacturers rank the states: fifth annual study on General Manufacturing Business Climates	N	Apr 25	20	FIFRA data disclosure: Is it unconstitutional? Supreme Court will decide Monsanto-EPA dispute	Mar 14	3	Vibration monitor to detect turbine flaws being developed by GE	May 9	33
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American Cyanamid parting company with Formica	N	Jan 18	12				Asbestos insulation removal with new process is result of U.S. Navy sponsored research	Apr 4	34
Amoco Chemicals considering the acquisition of Gulf Oil Chemical's polypropylene business	N	Apr 11	26				Dow to up Styrofoam insulation plant capacity at Gales Ferry, Conn.	Feb 29	12
Ashland Oil: Building a business on small business	N	Apr 25	5				Guardian infringed on a patent and used trade secrets of Johns-Manville in manufacture of fiberglass insulation court rules	Jan 4	15
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Chemred: An independent Chemred hits the acquisition trail	N								

Urea-formaldehyde CPSC formaldehyde hazards panel seeks scientists	N	Mar 7	40	Montedison: case involving cancer deaths at Acna plant rescheduled. N	Feb 8	17	Chymopapain: A back-drug labeling change	R	June 20	23
Insulin				Acna's two ex-directors receive sus- pended sentences in trial involv- ing cancer deaths of workers	Apr 25	25	CPSC recommending changes be made in labeling requirements for certain substances contained in household products	R	Jan 18	18
Canadian competition in human in- sulin	N	Jan 4	29	Montedison negotiating for joint ven- ture in China	Mar 28	22	Diabetes medicine: oral medicines' product labels must be altered	R	Apr 25	22
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Insurance — Asbestos: an out-of-court fight for asbestos claims (table)	N	Apr 25	18	Montedison will build a plant in the U.S.S.R.	Mar 7	19	Pesticides: EPA may ease up on child- proofing of pesticides; recommends labels carry warnings	N	Jan 11	42
Interferon				Montedison would transfer intermedi- ates unit to ENI	Apr 4	18	Sodium-content labeling for food: Church & Dwight asking FDA to reconsider rules covering sodium bicarbonate	N	May 23	12
Biogen patent on alpha interferons will be protested by Genentech and Hoffman-La Roche	N	Feb 29	5	— Correction	Apr 18	5	Labor			
China: Biogen and Shaanxi Pharma- ceuticals Bureau joint venture	N	Jan 11	16	Recovery is under way	Mar 14	28	AFL-CIO's IUD plans funding for occu- pational disease lawsuits	N	June 20	74
Genentech testing gamma interferon	N	Jan 4	13	Seveso site will become a park	Jan 25	57	BASF Wyandotte's Geismar, La. plant: OCAW talks remain in limbo	R	June 27	15
Hahnemann Univ. will test new drug, Ampligen, in study of interferon's role in cancer therapy	N	May 23	35	Snia Fibre cancels rayon plant at Rieti	Jan 18	20	EPA inspections: Stauffer wins an in- spection suit	N	Jan 18	44
Interleukin-2 — Who's ahead in the IL-2 race?	N	Apr 18	16	Specialty firms: Takeover targets (chart)	Jan 4	17	Farm workers: NACA announces new safety program for farm workers ex- posed to pesticides	N	Mar 7	40
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Ethylene glycol: Massive restructuring in a 'crummy business' (charts)	N	Mar 7	32	Allied receives Japanese patent on Meltis amorphous metal alloys	Jan 18	18	Styrene: lower exposure limits called for	N	Jan 4	44
Montedison would transfer intermedi- ates unit to ENI	N	Apr 4	18	Aramic fiber joint venture to be formed by Du Pont and Toray	May 23	18	OSHA			
— Correction	N	Apr 18	5	Asahi's membrane recovers oxygen for industrial use	Jan 18	38	Asbestos: OSHA offers tough new asbestos limits	N	Apr 18	52
Production: ten-month production soars for major organics	N	Jan 11	25	Chlor-alkali market	Feb 1	27	Auchter departs with very mixed re- views	N	Mar 14	58
International Trade Administration	N			Du Pont plans Vespel polyimide parts plant	Feb 15	18	Awards to Mobil Chemical for super- ior safety and health record at seven plants	R	Feb 22	18
Basic Industries Sector program will inform the chemical industry on trade	N	May 16	68	Du Pont will expand ethylene copoly- mer capacity at Otake; sells technol- ogy and marketing information for copper pigment products to Tokyo Ink Manufacturing Co.	Mar 21	9	Benzene: Union and industry — still stalking a benzene rule	N	Jan 11	35
International Trade Commission — Study ordered to assess the 'health' of the chemical industry	N	Apr 25	76	Englehard granted patent for auto ex- haust catalysts	Apr 11	24	EPA, OSHA move on benzene standards; OSHA draft rule could be new starting place	N	June 6	40
Inventories				Ethylene glycol: Massive restructuring in a 'crummy business' (charts)	Mar 7	32	Butadiene's potential risks weigh- ed	N	Jan 4	44
Benzene inventories trend downward	N	Feb 22	28	Ethylene output heats up	Jan 25	57	Ethylene oxide: new, stricter stand- ards	N	June 27	102
Benzene stocks plummet	N	May 23	25	Fibers performance: somewhat bet- ter	June 6	18	Hazard communication: standard: Worker right to know. The struggle moves into the courts	N	Apr 18	38
Ethylene inventories edge up	N	May 23	25	International forecast: A business pick- up for non-U.S. companies (charts & tables)	Jan 25	64	Lead exposure accord reached by Asarco, USWA and OSHA	N	Feb 8	40
How companies are holding down in- ventories (charts) — Conferences:	N	Feb 8	28	ITC ban on imports of silica-encapsu- lated lead chromate pigments up- held; Du Pont patent infringement suit against Toho and Nihon still pending	June 6	17	OSHA broadens its consulting serv- ices	N	June 27	102
Keeping the warehouse empty — View- point	N	Feb 8	3	JGC Corp. seeks entree into biotech plant building; will buy 50% share in Fuji Life Science	Jan 25	57	A 'serious affront' to a congressional inquiry into Labor Dept. meetings with chemical company officials	N	Apr 4	40
The prospects are mixed for tall oil	N	Mar 1	20	Japan's chemicals: Not well but better (charts)	Apr 11	51	OCAW: A chemical union gets a trou- bled time (table)	N	Jan 4	10
Silver inventories rise	N	Jan 18	28	A lesson from Japan — Viewpoint	Apr 11	3	OCAW looks to a three-way merger with United Rubber Workers and United Paperworkers	N	May 23	4
Ion Exchange — Extracting uranium from phosphoric acid	N	Jan 18	38	MCI Rigid Disc, joint venture, will con- vert aluminum smelter to make mag- netic discs	June 13	34	Right-to-know			
lowa State University — Conferences: Making a university/industry match	N	Feb 15	20	Nitto Chemical industry's acrylamide plant will use biocatalyst	Apr 11	30	Pennsylvania introduces right-to-know legislation	R	Mar 14	24
Iran				Bacteria that catalyze acrylamide production	May 16	44	Worker right to know: The struggle moves into the courts	N	Apr 18	38
Iran: settles with Du Pont over expropri- ation of Polyacryl Iran	R	Jan 11	16	Petrochemical surge	May 23	18	Canada: paper mill workers in B.C. strike	N	Mar 21	10
U.S. may set export rules to counter chemical warfare	N	Apr 11	58	Plastics output rises	Feb 15	18	Laboratories — Energy Dept.'s Idaho Laboratory Facility consolidates exper- imental programs	N	June 13	34
Iran-Iraq War — Hormuz: No chemical crisis yet (chart & map)	N	May 30	26	Polychloroprene rubber dumped in U.S., Commerce Dept. finds	Feb 22	20	Laminates — American Cyanamid putting Formica Brand Products Group and trademark up for sale	N	May 16	16
Iraq — U.S. may set export rules to coun- ter chemical warfare	N	Apr 11	58	Polyvinyl chloride capacity cuts made N Shin-Etsu Handotai will build silicon plant at Livingston, Scotland	Feb 1	25	Lang, Ronald A., SOCOMA's 20-year man works a 60-hour week	N	Jan 25	59
Irradiation				Sumitomo plant uses "special adsorb- ent" to extract gallium from baux- ite	Mar 7	19	Lasers			
EDB alternatives explored at Congres- sional hearings	N	May 16	68	Swimming-pool chemicals: U.S. Com- merce Dept. rules against Japanese imports	Feb 22	32	CO ₂ lasers: OTA is checking the safety of CO ₂ lasers in surgery	N	Jan 11	42
FDA wants to give the nod to irradiated food as a possible EDB alternative	N	Feb 22	50	Titanium dumping: USITC find dumping from Japan and U.K.	Feb 1	25	Laser-based variant of CVD: AAAS symposium	N	June 6	34
Monsanto will urge irradiating grain with electron beams instead of EDB treatment	N	Feb 22	9	Toyo Ink goes after BASF's pigment markets: modifying Fuji Pigment works	May 2	20	U.S. Air Force wants lasers that strip paint	N	Apr 4	43
Some rays of hope for irradiating food (chart)	N	Apr 11	33	Joloba — Chemicals from 'wild' plants	May 16	30	Latex — UC plans expansion at Torrance, Calif. latex plant	R	May 30	17
isocyanurates — Chlorinated isocyanu- rates, swimming-pool chemicals: Chemi- cal makers play hard-nosed polo in the pool (chart & table)	N	Mar 7	10	Jordan — Potash: World potash is moving again (chart)	Mar 14	36	Latin America			
Israel							Chemical exports: At stake in the inter- national banking rescue (charts)	N	June 20	53
Biotechnology: Israel's thriving biotech industry	N	June 6	28	K			Potash: World potash is moving again (chart)	N	Mar 14	36
Bromine exports gear up	N	May 2	20	L			Law			
Ion exchange method of extracting uranium from phosphoric acid	N	Jan 18	38	Labeling			AFL-CIO's IUD plans funding for occu- pational disease lawsuits	N	June 20	74
Israel Chemicals Ltd. A bold expansion policy abroad pays off for ICL	N	Feb 8	21	Artists demand warning labels on their supplies	Jan 18	39	Agent Orange see Herbicides	N	May 30	15
Potash: World potash is moving again (again)	N	Mar 14	36	— Letter	Mar 21	5	Agricultural patent reform bill: Glick- man's bill — a 'fairer' bill for pesti- cide patents	N	Mar 7	9
Rail line to aid fertilizer industry	N	May 30	18				Antiknock prices: Ethyl and Du Pont's antiknock pricing practices upheld in court	N	Apr 25	18
Thorium may be used to power light- water nuclear reactors	N	Mar 28	33				Asbestos: an out-of-court fund for as- bestos claims (table)	N	June 6	9
U.S. potash producers trying to discour- age offshore potash	N	Apr 11	38				Asbestos: some relief for Manville and asbestos claimants	N		
Italy										
Alusuisse Italia's improved know-how for phthalic anhydride	N	Feb 29	28							
Dow sells diagnostics unit	N	Jan 18	20	Kaolin — First U.S. clay-based metallic chlorides plant	Feb 15	33				
Enichem to purchase methanol from SABIC; exploring building petro- chemical projects in Saudi Arabia	N	June 27	90							
Enichemica to build polyethylene plant at Sicilian Priolo complex	N	Feb 29	16							
Fertimont will reopen ammonia plant at Ferrara	N	Jan 25	57							
International forecast: A business pick- up for non-U.S. companies (charts & tables)	N	Jan 25	64							
Montedison buys 61% interest in Mira Lanza	N	May 30	18							

Baker Phosphate in legal battle with Florida's Manatee County property appraiser over two floating dredges R	May 23	17	PCBs see Polychlorinated Biphenyls	Jan 4	9	Impure mice	N	May 30	34
Betz suing Petrolite and four of Petrolite's salesmen	Feb 1	13	Pennsylvania anti takeover law, Shareholder Protection Act, signed	N		Victims' compensation: Reagan withholds victims' compensation support	N	Mar 28	48
Biotechnology: Congress pushes for biotechnology regulation	Mar 28	48	Pesticides see Insecticides — Pesticides			Wastes: States may regulate solid waste importation	N	Mar 28	48
Bolar Pharmaceutical prohibited from selling product said to imitate Ciba-Geigy's Aprozide: Supreme Court will not review decision	Mar 14	24	Pollution cases, legislation see Air Pollution; Environment; Waste Disposal; Water Pollution			Lawn and Garden Chemicals — Sears, Roebuck issuing warning to consumers involving the use of Tri-Poxy garden sprayers	R	June 6	17
Chem-Dyne hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup by filing for bankruptcy	Mar 14	58	Radiation ruling precedent: Colorado ruling involving Dow's Rocky Flats Nuclear Weapons plant case	May 9	22	Lead			
Clean Air Act			Resources Conservation and Recovery Act			Antiknocks see Antiknock Compounds			
PCOM air pollution rule gets a 'no' vote	Feb 22	50	EPA approves Delaware's hazardous waste program	Jan 4	44	Asarco, USWA and OSHA reach a lead exposure accord	Feb 8	40	
Reagan stops trying to ease clean air standards	Feb 29	40	The new teeth in EPA's civil penalties: setting fines for noncompliance and for related financial gains	June 13	36	Canadian Parliament's subcommittee on acid rain advocating phasing out of TEL by 1995	June 13	9	
Bill now includes acid-rain provision	Mar 21	84	Right-to-know			Lead acrylic polymer: A lower cost shield from radiation	Apr 25	69	
EPA will not regulate toluene	May 30	40	Pennsylvania introduces right-to-know legislation	Mar 14	24	Lead-in-gas see Gasoline			
Clean Water Act			Worker right-to-know: The struggle moves into the courts	Apr 18	38	Leasing — Lab instruments for rent from United States Analytical Instruments	Jan 18	14	
Florida leads the way in regulating toxics: new rules set levels for 137 chemicals in drinking water	Apr 4	14	Searle Pharmaceutical withdraws court motion to stop Key's marketing of theophylline antiasthmatic drug, Theo-Dur	Feb 22	18	Lignin — Commodities from biomass: where we're headed	Apr 4	36	
A bundle of bills for water pollution control	May 2	44	Shale Oil see Shale Oil			Limone — Squeezing insecticides from oranges: fire ants, flies, fleas and weevils succumb to oils extracted from citrus peels	June 27	20	
Amendments would loosen clean water rules	May 23	40	Skin lotion ad claims' nonruling: P&G and Chesebrough-Pond's can still say they sell the best	June 27	14	Liposomes — Joint program to develop liposome-based medic products	Mar 28	33	
EPA's toxic discharge rules upheld by High Court	June 6	40	Staggers Act: Keep the rails competitive — Viewpoint	Feb 22	3	Lithium — Lithium chemicals prices N Feb 1-25	Apr 18	20	
Amendments proposed	June 13	40	Stauffer wins inspection suit against EPA	Jan 18	44	Lithography			
Continental Illinois National Bank & Trust suing Grace and Centex over 1980 loan to Grace for natural-gas projects in Mississippi	June 27	7	Superfund			Polystyrenes as lithographic materials	May 30	22	
Counterfeiting: legislation aims at curbing products with bogus trademarks	May 2	16	Joint and several liability: The law is a ass — Viewpoint	Jan 18	3	X-ray lithography: synchrotron radiation	Apr 18	23	
Critical Agricultural Materials Act (CAMA): House deletes biotech, guayule rubber funds	June 13	40	Seeking ways to speed the cleanup (table)	Jan 18	32	Louisiana — A plan to rescue the Louisiana chemical industry (table)	Jan 11	10	
DES: Michigan Supreme Court rules that a group of 238 women can sue all 16 producers of DES	Feb 22	18	Correction	Feb 8	5	Louisiana State University — Microorganisms that eat toxic chemicals	Mar 28	33	
Drug fraud: former employee of New York City Health and Hospitals Corp. indicted in drug fraud scheme	May 9	22	Joint and several stands firm: Chem-Dyne case ruling	Jan 18	35	Lubricants			
EPA's former waste program chief Lavelle gets six-month sentence	Jan 18	44	Reagan's budget calls for a Superfund extension	Feb 1	42	Cable lubricant from Chevron will be used on San Francisco cable cars	Apr 25	22	
EPA's pesticide rules see Environmental Protection Agency			Florio pushes a \$9 billion Superfund bill, and unveils an EPA study on Superfund's costs	Feb 15	48	EC&G Automotive Research and Chevron Chemical enter lubricant testing agreement	May 2	19	
Export Trading Company Act (ETCA): Export trading companies, Non banks are selling chemicals (table)	June 27	92	Republicans offer their own Superfund bill: Lent version	Mar 7	40	Lysine Rhone-Poulenc plans lysine plants in France and U.S.	May 9	25	
Federal Insecticide, Fungicide and Rodenticide Act			Congressional panel hears Superfund testimony	Mar 14	58				
Another pass at a 'passable' FIFRA bill	Jan 11	42	Superfund's fate: up in the air	Mar 21	16				
Tightening up on emergency use of pesticides (table)	Jan 18	10	An uphill battle for the Superfund program	Apr 18	52				
Accord sought on the pesticide law	Feb 1	42	Clamor for change in Superfund's tax base (chart)	Apr 25	12				
FIFRA data disclosure is unconstitutional? Supreme Court will decide Monsanto-EPA dispute	Mar 7	14	Clean Sites Inc. to be formed to organize a voluntary cleanup program for Superfund sites	May 16	22	Magnesium			
A badly timed call for change — Viewpoint	Mar 14	3	Clean Sites: A sight for sore eyes — Viewpoint	June 6	3	MCI Rigid Disc, joint venture, will convert aluminum smelter to make magnetic discs	June 13	34	
The battle lines are being drawn over FIFRA reform	Mar 14	14	A pragmatic partnership geared for action on derelict dumps	June 6	10	Probing materials with a synchrotron	Apr 18	23	
Congress pushes for biotechnology regulation	Mar 28	48	House gets a compromise Superfund bill	May 16	68	Maintenance — Maintenance painting: Numbers on the payoff — Du Pont's program (chart)	Apr 18	48	
Florida land fraud case: four men ask court to overturn their conviction	Mar 28	19	Superfund extension moves forward	May 30	40				
Florida land reclamation legislation rules phosphate processors must pay all the costs	June 6	15	Boston firm, Camp Dresser & McKee, gets the largest Superfund contract	June 13	40	Maleic Anhydride			
Florida phosphate: Estech to drop lawsuit as Manatee County allows access to documents which concern company's quest for permits to operate phosphate mine	Jan 25	9	EPA is criticized for Superfund priorities, and sued over Superfund damage rules	June 20	74	EPA seeks more test data	Feb 29	40	
GAF vs Werner: Another lawsuit on the docket	Apr 4	9	The growing push to extend Superfund	June 27	12	Monsanto's capacity	Jan 11	25	
'Golden parachutes': bill would impose excise tax on payments under 'golden parachute' contracts	Mar 14	11	Toxic Substances Control Act			Prices N Jan 11-25	May 9	60	
Groundwater: EPA sets ground rules for groundwater	Jan 11	14	Benzene: EPA wants toxicity tests for chlorinated benzenes	Jan 25	80	Management			
Industrial Bio-Test Laboratories sentences for three former employees	Apr 18	17	Chlorinated terphenyl: EPA planning notification plans	Apr 4	40	American Cyanamid's Affleck retires; Sella elected to the additional post of chairman	Apr 25	11	
Italy: trial against Montedison executives, involving cancer deaths at Acna plant, is rescheduled	Feb 8	17	Congress pushes for biotechnology regulation	Mar 28	48	Arco Chemical Europe: To build or not to build?	Mar 28	39	
Acna's two ex-directors receive suspended sentences	Apr 25	25	Dow will supply EPA with internal data from Midland, Mich. plant ending three-year dispute	Apr 4	40	Ashland Oil: Building a business on small business	Apr 11	26	
Kerr-McGee loses the latest Silkwood ruling	Jan 18	44	EPA moves to fast track formaldehyde under TSCA	May 23	40	Avtex steps out in style with specialty fibers	May 16	52	
Lead-in-gasoline see Gasoline			EPA will wait for the results of ethylene oxide tests	Jan 11	42	Baker Industries' Erol Y. Baker, president and COO: The other Baker is now COO at Baker	Feb 1	34	
Monsanto's Nitro, W. Va. dioxin-exposure lawsuit: USWA will help finance trial for plaintiffs	June 13	9	Industry worries about biotechnology rules	Apr 18	52	Biotechnology: Steven James Lee, new president of Repligen; John E. Donalds, president and chief executive officer of Collaborative Research	May 16	11	
Natural gas regulation see Natural Gas			NIH seeking comments on regulating biotechnology	May 2	44	Brent Chemicals Corp.'s Emilio A. Savinelli, president and chief executive officer: For BCC, no easy road to a turnaround	June 13	21	
Ocean shippers get antitrust immunity	Mar 14	21	NRC finds too little toxicity data for TSCA chemicals	Mar 7	40	Calgene: Adding market savvy to a biotech startup: two new executives, Roger H. Salquist and John Callahan	Jan 11	13	
Pacific Chemical Products files damage suit against the installers and providers of new telephone system	June 13	17	Trade bills: Chemical trade squabbles: The industry is divided over protectionism (charts)	Mar 28	34	CoF Chimie holds low cards, bets high. Celanese Mexicana: How Celanese Mexicana has beaten the odds	May 16	47	
Patent suits see Patents			Trade Remedies Reform Act of 1984 (H.R. 4784): House acts to beef up antidumping laws	Apr 18	52	ChemDesign: 'Buy American' — firm stresses reprographic chemicals	Mar 21	14	
PBBs see Polybrominated Biphenyls			Trademark Counterfeiting Act of 1983: legislation aims at curbing products with bogus trademarks	May 2	16	Chemed: An independent Chemed hits the acquisition trail	June 6	23	
			UNC Resources court settlement gives Standard Oil (Calif.) a stake in the uranium business; General Atomic will assume UNC's obligation to repay uranium to a utility company	June 6	9	Chevron Chemical will restructure operations of its Ortho Agricultural Chemicals Div.	May 23	17	
			University of Wisconsin-Madison settles suit with Charles River Breeding Laboratories over sale of genetically			Chevron Corp., new name for Standard Oil of Calif. effective July 1	May 9	11	
						Compensation: A seller's market for outside directors (charts)	Feb 1	32	

DSM's new president will be Hans van Lier	May 23	18	Upjohn's high-level shift could result in trend away from chemicals	June 27	7	— Letter	Mar 28	5
Distributor relations: Getting closer to distributors — Viewpoint	Jan 11	3	Utility management: Where did nuclear plants go wrong?	June 27	18	Medical diagnostics: Self diagnostic evaluation test goes to the market	Apr 25	30
Toward closer ties with distributors — Letter	Jan 11	34	Venture-capital: It takes more than money — Viewpoint	Apr 11	3	Monoclonals differentiate between cancers	May 16	44
Dividends: A skill test for management — Viewpoint	Jan 18	3	Making new ventures go. A bankroll and a hi-tech idea aren't enough (chart)	Apr 11	44	NBS develops a definitive way to measure creatinine	Feb 22	32
Wall Street sees dividend hikes ahead (table)	Jan 18	30						
Du Pont's John P. McAndrews, group v-p for F&P Dept., Du Pont's McAndrews expects a lot	Mar 28	44	Manpower, technical			Membranes		
Executive compensation: With chemical earnings up, salaries and bonuses rise — CW's annual compensation survey (charts & tables)	May 9	36	Agricultural technology: help wanted	Feb 1	30	Asahi's membrane recovers oxygen for industrial use	Jan 18	38
GAF's headquarters will be moved from New York City to New Jersey	Mar 7	9	Biotechnology report from OTA: To ensure biotech's future — Viewpoint	Feb 1	3	Dow acquires Allied membrane patents for chlor-alkali production	Jan 18	38
GAF's Heyman chooses Shea as company's senior v-p, general counsel and secretary	June 27	7	The tenuous U.S. lead in biotechnology (chart)	Feb 1	21	Du Pont and Asahi agree on membrane patents	May 9	33
GAF: Heyman vows 'em at GAF	May 16	18	Restructuring and the need for special people — Viewpoint	May 30	3	Japanese delay switchover from mercury cells to membrane technology	Feb 1	28
GAF moves to puncture Werner's 'golden parachute'	Feb 15	9	Risk assessors: How processors assess plant risk (diagram)	Feb 22	29	Membrane modules for oxygen production from Applied Membrane Technology	Feb 8	34
GAF's plan: record-high profits and a big write-off	Jan 11	9	Seeing 'yourselves' as students see you — Viewpoint	Apr 18	3	Occidental Chemical will convert chlor-alkali plant at Taft, La. to membrane cells	June 6	17
GAF vs Werner: Another lawsuit on the docket	Apr 4	9				Olin's chlorine plant at McIntosh, Ala. will replace diaphragm cells with ion exchange membranes	Apr 18	37
GE's Glen H. Hiner, Plastics Group v-p and group executive: GE's plastics chief has a winner's drive	May 9	57	Marine Applications			Mercury — Virginia accepts Du Pont settlement for mercury contamination of South River and the South Fork of the Shenandoah River	Apr 11	23
Genex's J. Leslie Glick, chairman and CEO and Vito Esposito, president and COO: The management evolution at Genex	May 2	38	Battelle study to improve coatings for U.S. Coast Guard's buoys	Mar 14	46	Metallurgy — Haber Gold Process: Staking a claim on a gold-winning process	Feb 8	14
Georgi-Pacific reevaluating its chemicals strategy	Mar 28	9	Technology Development Associates: a partnership to research marine opportunities	May 30	34			
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Grace creating product-line managers for certain units within its European Dares Div.	May 16	11	Marketing			Metals		
Grace's Industrial Chemicals Group realigns its management team	Mar 21	12	Calgene: Adding market savvy to a biotech startup	Jan 11	13	Allied receives Japanese patent in Metallurgical amorphous metal alloys	Jan 18	18
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Israel Chemicals Ltd.: A bold expansion policy abroad pays off for ICL	Feb 8	21	Mass Spectrometry — NBS develops a definitive way to measure creatinine through isotope dilution mass spectrometry	Feb 22	32			
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Kaiser's game plan to get Harshaw back in shape	Feb 8	22	Calcium-disorder regulators: research and licensing agreements signed with California Biotechnology	May 23	35	Landfill gas: Tapping the hidden treasure in landfill gas	June 20	28
Locite: Can Locite get back on track? (charts)	Jan 11	28	Diagnostic kits for the detection of hepatitis B	Mar 21	78	TRW's Beacon process: making syn gas from gasifier's methane	Jan 11	32
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Olin's Edward B. Pollak, president of the International Group: Pollak — Olin's man on the international front	Feb 15	42	Massachusetts Institute of Technology			Air Products methanol unit on line at La Porte, Tex.	Apr 25	22
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PPG Industries' strategic maneuvering: A warm welcome on Wall Street	Mar 7	14	Genetically engineering microorganisms	Apr 11	30	Chilean methanol plant advances	May 23	18
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Parker Chemical's president and COO, Ronald E. Goldsberry, flexes his entrepreneurial skills	Jan 4	25	Robots that will sniff chemicals	Mar 14	29	Gasoline marketers warning the public about possible dangers of using gasoline-methanol blends in their automobiles	Apr 11	23
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Georgia-Pacific will expand capacity when Bound Brook, N.J. plant starts up	R	Jan 4	15	Koppers restarting Cicero, Ill. plant	N	Feb 22	9	— Letter	N	Mar 28	10
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Florida phosphate: Estech to drop lawsuit as Manatee County allows company to view documents which concern company's quest for permits to operate phosphate mine	N	Jan 25	9	PVC rises blamed for soaring pipe tabs	N	Mar 14	34	Mattel making toy parts from resins filled with BaSO ₄ , that show up on X-rays	N	Apr 11	20
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Japanese patent on Molgias amorphous metal alloys received	Jan 18 18		Medical diagnostics: A red-hot market for chemicals and hardware (table)	Feb 29 30	Armstrong World Industries — Asbestos fund (table)	Apr 25 18
Liquid fertilizer business to be sold to AAC Holdings	Jan 4 9		American Petrofina — Cooden Oil & Chemical see under name	Feb 29 30	Asahi Chemical — CRA withdraws from feasibility study for ethylene dichloride plant in Australia	May 30 18
Low-molecular-weight polyethylene wax plant, second phase of expansion at Orange, Tex. completed	May 2 19		American Ref-fuel — Joint venture for refuse-fired power	Feb 8 16	Membrane cell technology for Akzo unit	Feb 22 20
Medical diagnostics: Hot and tough to crack — Viewpoint	Feb 29 3		AT&T Technology — Du Pont contracts to supply company with nearly 100% of the dry-film photopolymers it needs to make printed-circuit boards	May 2 9	Membrane patent agreement with Du Pont	May 9 33
Medical diagnostics: A red-hot market for chemicals and hardware (table)	Feb 29 30		Ames Laboratories — Medical diagnostics: dip-stick type urine glucose kits	Feb 29 32	Asahi Glass — Membrane recovers oxygen for industrial use	Jan 18 38
Protein synthesis: planned with Genex	Mar 21 80		Amgen — Biotech firms scramble for new ways to raise cash	May 23 9	Sales and earnings 1983	Mar 7 19
Soda ash prices N June 13-24	June 20 60		Genetically engineered hormone to counter anemia	Jan 11 32	Asarco — Antimony oxide prices	May 2 31
Stock splits and bigger dividends	May 9 11		How genetic engineers will customize proteins	Mar 21 79	Copper smelter at Tacoma is the focus of a struggle to set arsenic-emission standards	Jan 4 13
Technology to make the silicon compounds used in semiconductors	Jan 11 32		Joint venture with Kirin Brewery to make and market a synthetic hormone for boosting red blood cells	May 23 35	Lead exposure reached	Feb 8 40
Unimar partnership bid for acquisition of Enstar meets resistance	May 30 9		Making new ventures go	Apr 11 45	Study of the link between arsenic and cancer will take place at Tacoma Wash. smelting plant	Apr 4 34
Uranium producers: Far-off silver linings (chart)	Apr 11 13		Ammonia Casale — Whose NH ₃ plant is the most energy-efficient? Lummus, with Ammonia Casale technology, challenges Kellogg	Mar 21 15	Asbestos Hazard Program Research — Asbestos containment: A controversial alternative	June 20 33
Allied Colloids — Nalco Chemical reaches patent suit settlement	Apr 18 17		— Letter	June 20 5	Ashtad Chemical — Acquires Scientific Gas Products	Feb 1 17
Allnet Communication Services — Pacific Chemical Products files damage suit against the installers and providers of new telephone system	June 13 17		Amoco Chemicals — Gulf Oil Chemical's polypropylene business may be acquired	Jan 18 12	Acquiring Goodyear T&R's structural urethane-adhesives business	Feb 8 9
Alpha Chemical & Plastics — Acquired by Dexter	Jan 11 9		Methanol warnings for customers	Apr 11 23	Adhesives makers court the clubby auto market	Mar 28 10
Altradec — Continental Packaging's acquisition of interest will give company access to technology for Menu Box	June 13 17		Octane boosting: BTX vs oxygenates — battle over lead substitutes (chart)	Mar 28 27	Automotive Business Center established to promote automotive resins	Feb 1 17
Alumax — Quebec chosen as site of aluminum plant because of cheaper electrical rates	Feb 15 16		Polypropylene: alleged European price fixing	June 20 23	Counterfeiting: legislation aims at curbing products with bogus trademarks	May 2 16
Quebec lure: industry with cheap hydropower	May 23 22		Ampro Chemical — The recent freeze takes its toll	Jan 11 11	Ashtad Oil — Building a business on small business	Apr 11 26
Aluminum Co. of America — Alumina chemicals: Looking for an upturn	May 23 20		Amrep Chemical — Antimony organics prices	June 27 16	— Letter	Apr 25 5
Continental Packaging terminates joint project to make aluminum food cans	Apr 11 23		Amsterdam Fertilizers — Israel Chemicals Ltd.: A bold expansion policy abroad pays off for ICL	Feb 8 21	Goldman, Sachs retained to help sell Integon insurance subsidiary	June 6 17
Illinois hazardous waste site settled	June 13 40		Anaconda Advanced Technology — Adapts CRISP software to Digital Equipment's microcomputers	June 20 26	Wage rates agreement follows Gulf's settlement	Jan 18 9
Alusuisse Italia — Improved know-how for phthalic anhydride	Feb 29 28		Anchor Hocking — Plastic ovenware and closure plants expanding capacity	May 9 22	At-Sea Incineration — New incinerator ship, Apollo One, scheduled for launch	Feb 8 9
Amano — Medical diagnostics: diagnostic-grade bulk enzymes	Feb 29 32		Angus Chemical — Nitroparaffin derivatives joint venture with Isocem: plant to be built in Wales	Feb 1 9	Ocean incineration of PCBs: EPA needs "more questions answered"	June 20 39
Amatex — Norfab, woven and aluminized material with a glass-fiber core wrapped in fiber: Airline safety's boost for fibers	Feb 15 13		Angus Chemie — Supplier for European producers	Feb 1 9	Atlantic Richfield — Chinese ammonia plant contract sought	May 2 20
Ammax — Climax molybdenum mine near Leadville, Colo. to reopen	Mar 14 24		Anzon America — Antimony organics prices	June 27 16	Octane boosting: BTX vs oxygenates — battle over lead substitutes (chart)	Mar 28 27
Potash producers will petition for protection from cut-rate offshore imports	Apr 11 38		Apache Petroleum — Dow Chemical sells depositary units to Smith Barney	Jan 18 9	Atlas Copco Compex — Sizing compressors from a data base: pilot program gives customer access to the supplier's mainframe	May 2 25
Producers file for import relief	Apr 18 20		Applied Automation — Distributed system of gas chromatography	June 20 26	ATOChem — Consolidation of production units is set	Apr 4 18
Amax Materials Research Center — Catalyst services will be offered	Mar 14 46		Applied Membrane Technology — Membrane modules for oxygen production	Feb 8 34	Impasse on electricity rates in France	June 13 20
American Coatings — Asbestos containment	June 20 33				LPG to make ethylene: Algerian capacity may be a bonanza for Europe's petrochemical makers (chart)	Jan 25 16
American Cyanamid — Alkacel: Sells elected to the additional post of chairman	Apr 25 11				Polypropylene: alleged European price fixing	June 20 23
					Ault & Wiborg Group — Sun Chemical purchases additional shares	Mar 21 19
					Avis — Esmark's acquisition by Beatrice Foods: Whether Esmark's and Beatrice's chemicals?	May 30 13
					Avtex — Avtex steps out in style with specialty fibers	May 16 52
					Polypropylene: Avtex's play in PP staple	May 30 13

Rayon filament yarn prices	N	May 9	60	Berry Energy — MEOR field tests	Jan 25	58	U.S. Oncology Div. will be formed on Jan. 1, 1985	R	June 20	23	
B				Betz Laboratories — Acid-free approaches to treating cooling water; comments on Calgon's pHregard	Mar 7	11	British Charcoals and Macdonalds — Immobilized enzyme for corn syrup	N	Mar 21	78	
BASF — Badische: U.S. polymer presence		May 2	13	Beaumont, Tex. plant to make complete line of organic and inorganic specialty chemicals	R	Apr 11	23	BP Canada — Potash feasibility study	N	Mar 14	38
EEC fertilizer makers squabble: Dutch competition is still "unfair"		June 6	16	Suing Petrolite and four of Petrolite's salesmen	Feb 1	13	Wolf Lake oil sands project: Canada's synfuels — a cautious phoenix	R	Feb 22	40	
Polypropylene: alleged European price fixing	R	June 20	23	Bierfeld U.S. — Kema/Nobel assigns U.S. marketing rights for quaternary ammonium compounds	N	June 6	18	PMS and PPMs: A crucial time for 'high-tech' styrene (charts)	R	Mar 7	32
Sales and earnings 1983	R	Apr 4	18	Biles and Associates — AIM software package: Where hardware and software clash	Jan 25	20	Polypropylene: alleged European price fixing	R	June 20	23	
Tillmann at FI meeting discusses international fertilizer outlook	N	June 20	60	Billerd — Completes chlor-alkali conversion to membrane cell output	Feb 22	20	Sales and earnings 1983	N	Mar 28	22	
Toyo Ink goes after BASF's pigment markets	N	May 2	20	Billiron Metals — USITC finds titanium dumping	Feb 1	25	Sandbach Div., chlor-alkali operation, sold to Hays Group	N	Mar 21	20	
West German chemical firms display new strength (charts & table)	R	June 13	28	Biogen — Biotech firms scramble for new ways to raise cash	May 23	9	BP Chemicals International — Sales and earnings: first-quarter 1984	N	June 20	50	
BASF Wyandotte — Acetylene chemicals plant in Geismar, La.	R	Mar 21	18	Chinese joint venture with Shaanxi Pharmaceuticals Bureau	Jan 11	16	BP Exploration Canada — Canada's synfuels: a cautious phoenix	R	Feb 22	40	
Cogenerator/utility fuss over avoided costs	R	Feb 8	12	Factor VIII developments	Jan 11	24	British Sulfur — Soviet potash production assessment	R	Mar 14	40	
Geismar, La. plant: OCAW talks remain in limbo	R	June 27	15	Factor VIII race	May 9	17	British Twix — Sibt acquisition pursued	R	Jan 4	17	
Herbicides follow the current trend to low-till farming: the boom in post-emergent herbicides (table)	R	May 9	12	Genentech and Hoffmann-La Roche to protest patent on alpha interferon	Feb 29	5	Brookway — IMCO Container business of Ethyl to be purchased	N	Mar 7	9	
BBC Brown — Electric autos: joint venture with Magna International	R	Apr 4	34	Biological Energy — Solvent pulping: How solvent pulping gets more from the tree	Jan 4	26	Brookhaven National Laboratory — Methyl bromide study	R	Apr 4	14	
B.C. Equipment — Dynachem Italia to buy company	R	Feb 22	18	Bio-Rad Laboratories — Medical diagnostics	Feb 29	33	Probing materials with a synchrotron	R	Apr 18	23	
BDM — Runway repair materials development program	N	May 23	35	Bio-Response — Enzyme may offer protection from nerve gas	Feb 29	23	Brooklyn Union Gas — Tapping the hidden treasure in landfill gas	R	June 20	28	
BOC Group — Airco Industrial Gases division see under name				Monoclonal antibodies: Industry scale-up: producing kilogram quantities for purifying proteins and fighting disease (Mass Culturing Technique)	Mar 28	28	Brown & Root — New directions for engineering companies	R	Apr 4	30	
Air-separation facility at Kittery, Me. due onstream	R	Feb 15	9	Bio-Science Laboratory — Medical diagnostics: lab tests to identify patients with AIDS	Feb 29	31	Browning-Ferris — American Ref-fuel, joint venture for refuse-fired power	R	Feb 8	16	
Industrial gases heat up in Europe	R	Mar 21	66	Biotech Research Labs — Center for Advanced Research in Biotechnology, CARB: new biotech center allies diverse groups	Feb 22	16	Bulgarian Chemical Industry — UC grants license for IsoSiv process	R	Jan 11	16	
BS&B Energy Systems — Fluidized-bed boilers	R	June 20	44	Charter member of the Association of Biotechnology Companies (table)	Jan 25	13	Correction	R	Feb 8	5	
Babcock Power — Multifuel Boilers, joint venture, promotes Solid Circulation Boiler (diagram)	R	June 20	44	Making new ventures go: marketing assist (chart)	Apr 11	45	Burlington Northern — Another shipper/railroad brawl	R	Feb 15	14	
Badger — New directions for engineering companies	R	Apr 4	30	BioTechnica — Pact signed with Monsanto to develop a pesticide and H.J. Heinz to develop animal-feed products	Apr 11	23	Business Trend Analysis — Color-Tint Supermat paints manufactured on a private-label basis	R	Apr 4	10	
Badger America — Gulf Design see under name				Bio-Technology International — U.K. affiliate formed to develop products and technologies for use in natural gas production from solid waste	Mar 28	19					
Badische Corp. — Acrylic esters prices	N	Feb 22	28	Bio-Technical Ltd. — U.K. affiliate formed to develop products and technologies for use in natural gas production from solid waste	Mar 28	19					
Caprolactam prices	N	Apr 25	57	Bio-Technical Resources — Fusing cells to make chemicals: research agreement with Virginia Commonwealth Univ.	Feb 8	34					
U.S. polymer presence: new unit at Bridgeport, N.J. to market its brand of polymers	R	May 2	13	Bio-Technology General — Israel's thriving biotech industry	June 6	28					
Baker, J.T. Chemical — Medical diagnostics: raw materials for diagnostic kits	R	Feb 29	31	Bio-Yeda — Israel's thriving biotech industry	June 6	28					
Bass Brothers — Ashland's carbon black domestic division to be acquired	R	Apr 11	26	Bjorksten Research Laboratories — Deicing study (1976) pegged CMA and methanol as promising products	Mar 28	14					
Battelle Columbus Laboratories — Asbestos encapsulation products study	R	June 20	34	Blender, Warkes — Hair-care mousses: Poly Schaumkur	Mar 21	72					
Cellular and Molecular Biotechnology Section formed	N	May 30	34	Boehringer Ingelheim International — Marketing agreement with Genentech for genetically engineered agent that dissolves blood clots	Jan 4	13					
Continuous fermentation: comments by D.J. Fink	R	Feb 22	42	Boehringer Mannheim — Greece: Papandrou's squeeze drives drug firm out	Feb 8	15					
Study to improve coatings for U.S. Coast Guard's buoys	N	Mar 14	46	Medical diagnostics: A red-hot market for chemicals and hardware (table)	Feb 29	30					
Battelle's Geneva Laboratory — Solvent pulping: How solvent pulping gets more from the tree	R	Jan 4	26	Bolar Pharmaceutical — Court decision prohibiting selling of product said to imitate Ciba-Geigy's Aprozidine will not be reviewed by Supreme Court	Mar 14	24					
Battelle Memorial Institute — Alternatives to animals in tests for safety	N	Apr 4	34	Boots — EC lifts restrictions on the price of saccharin	Jan 4	16					
N Developing stress-tolerant ceramics	N	Mar 14	46	Borden Chemical — Water-based inks for packages	Apr 18	28					
Risk assessors: How processors assess plant risk (diagram)	R	Feb 22	29	Borg-Warner Chemicals — ABS prices	Feb 22	20					
Runway repair materials development program	N	May 23	35	Spartan Dispersers Plant in Spartanburg, S.C. expansion	June 13	28					
Baxter Travenol — Chymopapain: A back-drug labeling change	R	June 20	23	Boyer Island Aluminum — CSR proposes natural gas pipeline	May 30	13					
Genetics Institute announces factor VIII progress	R	Jan 11	24	Braun, C.F. — New directions for engineering companies	Apr 4	30					
Factor VIII race	R	May 9	17	Brent Chemicals Corp. — Chemed seeks to acquire commercial laundry chemicals division	June 20	13					
Joint venture with Genentech to make and sell diagnostic products for people	R	Jan 4	13	Savinelli, Emilio A., president and chief executive officer: For BBC, no easy road to a turnaround	June 13	21					
Medical diagnostics: joint venture Travenol-Genentech Diagnostics	R	Feb 29	31	Bristolia — Enichemica Secondaria looking to increase its interest	Jan 4	17					
Bayer — Miles Laboratories see under name				Bristol-Myers — Drug patent bill passes a House committee: PMA's endorsement disavowed	June 20	74					
Sales and earnings 1983	N	Apr 18	28	Ibuprofen will be sold as Nuprin: ibuprofen's contested road over the counter	June 6	12					
Uhde operating single cell at Leverkusen complex	N	Feb 22	20	Research grants to two cancer centers	May 2	37					
West German chemical firms display new strength (charts & table)	R	June 13	28								
Beatrice Foods — Acquisition of Esmark: Whither Esmark's and Beatrice's chemicals?	R	May 30	13								
Bechtel — New directions for engineering companies	R	Apr 4	30								
Becton Dickinson — Medical diagnostics. A red-hot market for chemicals and hardware (table)	R	Feb 29	30								
Beecham Group — Acquisition of Roberts Consolidated Industries: a bigger U.S. base for Beecham	N	Mar 21	20								
Baker Industries — Bekor, Erol Y., president and COO: The other Bekor is now COO at Bekor	N	Feb 1	34								
Baker Phosphate — Florida judge's order: Let Baker's phosphate trucks rule	N	June 13	9								
A Florida phosphate land swap likely	N	June 23	10								
Legal battle with Florida's Manatee County property appraiser over two floating dredges	R	May 23	17								

Cambridge BioScience — Diagnostic tests for AIDS-associated virus being developed	May 9	33	Charles River Breeding Laboratories — University of Wisconsin-Madison settles suit over sale of genetically impure mice	May 30	34	Herbicides follow the current trend to low-till farming: the boom in post-emergent herbicides (table)	May 9	12
Cambridge Energy Research Associates — Nuclear power cost overruns: measuring the impact	Mar 14	33	Chase Econometrics — Daniel's fertilizer forecast at FI meeting	Feb 22	10	Lubricant testing agreement with EG&G Automotive Research	May 2	19
Cambridge Science — Charter member of the Association of Biotechnology Companies (table)	Jan 25	13	Chattam — Petrochemicals subsidiary to be sold to De Soto R Mar 21-18, '83	Apr 18	13	Ortho Agricultural Chemicals Div. operations to be restructured	May 23	17
CAM-OR — Illinois hazardous waste site suit settled	June 13	40	Sales and earnings: fourth-quarter '83	May 30	17	Phosphate fertilizer project near Rock Springs, Wyo. scaled down	Feb 15	9
Camp Dresser & McKee — Boston firm gets the largest Superfund contract	June 13	40	Chem-Clear — Cording comments on Du Pont's wastewater venture	Jan 18	9	Phosphate fertilizer project will proceed N May 9-11	May 16	24
Campbell Soup — Plastics in food packaging	Jan 18	26	Chem Systems — Bauman comments on Cosden's purchase of Arco's polypropylene facility in La Porte, Tex.	June 13	11	Public nuisance violation notices received after ammonia and hydrogen sulfide emission from Richmond, Calif. refinery	Jan 18	18
Reassessing the conventional tin can	Apr 11	23	Leaded fuel phaseout: dealers whipping up "homemade" blends with excess methanol	Apr 11	15	Xylene prices	Jan 4	20
Canadian Reynolds Metals — Aluminum smelter: Quebec lures industry with cheap hydropower	May 23	22	NGL: The looming LPG glut. John M. Winton (charts, table, map)	Mar 7	13	Chevron Corp. — Standard Oil of Calif. stockholders ratify new name	May 9	11
Carlsberg Biotechnology — How genetic engineers will customize proteins	Mar 21	79	Process for Air Products' methanol unit	Mar 14	19	Chevron Resources — Phosphate fertilizer project	May 9	11
Carnegie-Mellon — Ordered polymers research	Apr 11	35	Chem Systems International — Ethylene glycol: Massive restructuring in a "crummy business" (charts)	May 2	32	China National Offshore Oil Corp. — Atlantic Richfield seeks ammonia plant contract	May 2	20
Robots that will sniff chemicals	Mar 14	29	Europe's petrochemical business recovery continues	Apr 25	22	Chinook Chemical — Choline chloride imports: Syntex antidumping petitions claim foreign producers trying to drive U.S. competitors out of business (chart)	Jan 18	14
Catalyst Resources — Polypropylene polymerization catalyst, Lynx 900, will make older plants competitive	Feb 15	33	CHEMARK Information Services — For paintmakers, sharp marketing and sharp pencils (charts)	Mar 7	32	Chloron — Factor VIII: Revlon patent suit	Jan 11	24
Catalyst Technology — Acquired by UC and will become a subsidiary of Linde Div.	May 2	9	Chembond — Getty's chemical units may go on the auction block	Apr 11	24	Factor VIII race	May 9	17
Cathedral Bluffs Shale Oil — Oil shale projects: SFC readies price and loan supports	Apr 11	58	Texaco's bid for Getty: Whither Getty's chemicals? (chart)	Apr 4	10	Christian Engineering — Screw conveyor system for removing ash from fluidized bed combustors	May 2	37
Celanese — Acetal resin market: action heats up	Mar 7	24	ChemDesign — "Buy American": just opened for business, the firm stresses reprographic chemicals	Jan 11	9	Church & Dwight — Sodium bicarbonate: company asking FDA to reconsider rules on sodium-content labeling for food covering sodium bicarbonate	May 23	12
Acetic acid prices	June 20	60	Custom drug houses: The new entries	Jan 18	11	Ciba-Geigy — Acid-free approaches to treating cooling water; comments on Calgon phreaguard	Mar 7	11
Amel triacetate — new applications pushed: Fibers had a good first quarter	Mar 28	12	Lubrizol Enterprises acquires an interest	May 9	46	Calgon Paint Technical Services unit to be formed	May 16	11
Automotive plastics	Mar 7	13	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Jan 18	18	Cogenerators/utility fuss over avoided costs	Feb 8	12
Buying 750,000 shares of its outstanding stock	May 2	9	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 14	58	Court decision prohibiting Bolar Pharmaceutical from selling product said to imitate Aprozide will not be reviewed by Supreme Court	Mar 14	24
Inventories: How companies are holding down inventories (charts)	Feb 8	28	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Jan 18	35	Du Pont's colored pigments operations purchased	Jan 4	11
Methanol plant at Clear Lake, Tex. being closed	Feb 29	23	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 6	23	Purchase completed	May 2	18
Methanol prices N May 30-24	June 13	24	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 20	13	Correction	June 20	5
MFM capacity expansion at Pampa, Tex.	Apr 4	9	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 7	12	Gift of drugs to fight leprosy in India	Feb 29	16
New resins facility slated out	Feb 8	16	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Jan 4	9	Herbicides follow the current trend to low-till farming: the boom in post-emergent herbicides (table)	May 9	12
Occidental Chemical's Durel polyarylate engineering-resins operation may be bought	June 20	13	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 7	33	Home and garden market business to be bid	May 30	17
Ordered polymers research	Apr 11	35	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Feb 1	42	Information systems: Decentralizing information systems (charts)	May 23	26
Organic chemicals prices	Mar 21	65	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 28	27	Larvax, pesticide, as a control for fly larvae: another bid for approval	May 2	44
PBI fiber: Airline safety's boost for fibers	Feb 15	13	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 28	10	Pharmaceutical chemicals plant at Toms River, N.J. contract to Foster Wheeler	May 30	17
Paintmakers: water-borne alkyls	Apr 4	4	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Feb 15	20	Safer system: tracking chemicals at St. Gabriel, La. plant	Mar 7	37
Polyester yarn prices	June 6	35	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Feb 1	20	Synthetics for restoring historic facades	Apr 25	54
Prices for nine products, including methanol and formaldehyde	June 13	24	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	May 2	14	Ciba-Geigy Pipe Systems — Reinforced plastic market discussed by diSioudi	Jan 25	11
Sales and earnings: first-quarter	Apr 18	9	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 13	36	Cigna — Asbestos fund (table)	Apr 25	18
Seed deal with Vencor fails to germinate	Apr 25	11	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	May 30	40	Cincinnati Gas & Electric — Where did nuclear plants go wrong?	June 27	18
Celanese Canada — Sales and earnings: first-quarter '84	May 9	25	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 20	39	Circuit Services — Acquired by Nalco N Jan 4-9	Jan 11	12
Celanese Mexicana — How Celanese Mexicana has beaten the odds	May 16	47	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 20	23	Citizens for Better Environment — California challenge in court to state waste control	June 13	14
Cellular Products — Charter member of the Association of Biotechnology Companies (table)	Jan 25	13	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 20	23	City of Hope — Test that can detect certain genetic diseases by "reading" an individual's DNA developed	Mar 21	78
Celotex — Asbestos fund (table)	Apr 25	18	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 13	28	Clark Oil & Refinery — Landfill gas: Tapping the hidden treasure in landfill gas	June 20	28
Center for Advanced Research in Biotechnology (CARB) — New biotech center allies diverse groups	Feb 22	16	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 13	28	Clean Sites, Inc. — Clean Sites: A sight for sore eyes — Viewpoint	June 6	3
Center for Science in the Public Interest — Files complaint against soft-drink marketers charging NutraSweet advertising is misleading	Jan 25	13	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 13	28	A pragmatic partnership geared for action on derelict dumps	June 6	10
Center for the Study of American Business — Weidenbaum at CMA annual meeting: CMA consensus: "Enjoy 1984" Centers for Disease Control — Epidemiological study will look at the entire "Vietnam experience"	Mar 14	21	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 7	11	Voluntary cleanup program for Superfund sites to be organized	May 16	22
Centex — Continental Illinois National Bank & Trust suing Grace and Centex over 1980 loan to Grace for natural-gas projects in Mississippi	June 13	16	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Jan 11	9	Cleary, Gottlieb, Steen & Hamilton — Hinds: U.S. chemical makers yield to imports	Mar 28	38
Centocor — Charter member of the Association of Biotechnology Companies (table)	Jan 25	13	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Jan 18	18	Clorex — Paintmakers: Sharp marketing and sharp pencils (charts)	Apr 4	10
Diagnostic kits for the detection of hepatitis B	Mar 21	78	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	June 27	14	Coastal — Heat-transfer salt trademark rights sold to Olin	Jan 4	15
Hepatitis-B monoclonal assay approved by FDA	June 27	96	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Apr 25	22	Cobarr — Montefibre to supply PET polymer and preforms	June 27	90
Cetus — Biotech firms scramble for new ways to raise cash	May 23	9	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	May 2	16	Cobelpast — Continental Packaging's acquisition of interest will give company access to technology for Menu Box	June 13	17
Continuous fermentation research	Feb 22	44	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 7	3	Coca-Cola — NutraSweet advertising is misleading complaint charges	Jan 25	13
Joint venture with Grace for bioengineered farm products: "Possibly the largest" bioventure	June 20	15	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 7	32	Coker Pedigreed Seed — Seed research partnership with Rohm and Haas Seeds	Jan 25	17
T-cell growth factor: Who's ahead in the IL-2 race?	Apr 18	16	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 7	32	CR Seeds, joint venture	Mar 14	24
Why Wall Street wants more biotechnology data	Mar 7	22	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy	Mar 7	32	Colgate-Palmolive — Acquisition rumors	May 9	11
Champion International — Paper and plastic vie for the milk container (chart)	Feb 1	14	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy					
Channing, Weinberg — Medical diagnostics	Feb 29	33	Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy					
Charbonnages de France — Cdf Chimie see under name			Chem-Dyne — Hazardous waste cleanup case: Supreme Court will determine whether companies can skirt a court order for cleanup for filing for bankruptcy					

Collaborative Research — Donalds, John E., formerly of Dow, to be president and chief executive officer	N	May 16	11	Arco's polypropylene facility in La Porte, Tex. bought; Cosden buys into the PP game (table)	Apr 11	15	Pylant comments on phaseout of leaded fuel	Mar 14	19
Joint venture with American Hospital Supply to make and market laboratory tests that detect human inherited diseases	N	Jan 18	38	— Correction	May 2	5	Soaring imports shrink the surplus in chemical trade (chart)	June 20	14
Medical diagnoses: enzyme immunoassays	N	Feb 29	33	Medley discusses EPS market (chart)	May 29	18	Dexter — Diversifies into specialty PVC products; acquires Alpha Chemical & Plastics and Mercer Plastics	Jan 11	9
Collagen — Bone regeneration research agreement with Monsanto	N	Apr 25	30	Cosmos Minerals — Pfaunder acquires weld-bonding technology, Resistad	May 30	34	Hysol Grafil see under name		
Color Tile Supermart — Paintmakers: Sharp marketing and sharp pencils (charts)	N	Apr 4	10	Coulter Electronics — Fisons acquires Curtin Matheson Scientific and Scimed International	Feb 22	20	Diachem Industries — Diatex Polymers brings acrylamide polymers plant on stream at Batavia, Ill.	Mar 14	24
Colorite Plastics — Dart & Kraft unloads its plastic specialties	N	Apr 18	12	Courtaulds — Georgia-Pacific's cast-acetate-film operation at Newark, N.J. to be acquired	Feb 15	9	Diagnostics — Charter member of the Association of Biotechnology Companies (table)	Jan 25	13
Colorquim, S.A. de C.V. — Du Pont's Mexican subsidiary will not be sold	N	Jan 4	11	Hyosil Grafil see under name	June 13	20	The Agent Orange surprise	May 16	24
Columbia Artists Management Fund — Synthetics for restoring historic facades	N	Apr 25	54	Sales and earnings fiscal 1983	Feb 22	18	Tentative settlement: payments	May 23	4
Combustion Engineering — Joint venture with Occidental, Osce Fuel, to research and develop coal-water fuels	R	Feb 1	17	Courtaulds North America — Mobile, Ala. rayon plant will upgrade the quality of sodium sulfate byproduct	Feb 22	18	Calcium stearate prices	May 7	24
Lummus Crest see under name				Crane Cams — MotorTech joint venture	Feb 29	10	Chlor-alkali prices	June 6	35
New directions for engineering companies	N	Apr 4	30	Croda — Hair-care mousses: a boost for chemicals	Mar 21	71	Cogeneration: Is cogeneration coming of age at last? Texas study outlines a formula for establishing avoided costs (table)	June 13	10
COMCO — Brewster Phosphate will convert phosphate rock dryers to coal-oil mixtures	N	Mar 7	30	Crown Zellerbach — Plastics in food packaging	Jan 18	26	Domestic distribution network, Ocean Systems Network, will offer single-price, single-contract service covering transportation	Apr 11	11
Commodities Research Unit — Uranium: An upbeat forecast for uranium	N	Jan 25	24	Curtin Matheson Scientific — Fisons acquires company from Coulter Electronics	Feb 22	20	Duolite International see under name		
Community Nutrition Institute — Files suit to ban sale of aspartame sweetener	R	Feb 1	17	Custom Energy Services — Sun Coast Plastics buys out its partner in joint venture	Mar 28	19	Grace drops bid for Metal Coatings and Process Chemicals divisions	Jan 25	9
Compagnie des Vernis Valentine — Acquired by ICI	N	Apr 25	25	Cyanotech — Nitrogen-fixing algae	Apr 11	30	Diamond Shamrock Alberta Gas — Nova produces PVC at Fort Saskatchewan plant	June 27	88
Conair — Jheri Redding see under name	N	Jan 4	29	Cytogen — Biotech firms scramble for new ways to raise cash	May 23	9	Diamond, T.L. — Purchases assets of Sherwin-Williams zinc oxide manufacturing facility at Hillsboro, Ill.	Apr 11	23
Connaught Laboratories — Genetically engineered human insulin	N	Feb 29	16	Chubb comments on monoclonal antibodies' scale-up	Mar 28	30	Diamond West Energy — Desulfurizing petroleum coke	Mar 21	78
Connaught Novo — Canadian insulin marketing	N	Feb 29	16	DM International — New directions for engineering companies	Apr 4	30	Desulfurizing petroleum coke: route yields coke for aluminum-refining anodes	Apr 4	22
Conoco Chemicals — Hydrochloric acid prices	N	May 2	12	DNA Plant Technology — Joint venture with Koppers to develop diagnostic kits for plant diseases R Feb 15-16	Feb 29	10	Diatex Polymers — Acrylamide polymers plant at Batavia, Ill.	Mar 14	24
U.S. oil supplies: A warning: crude oil imports will double by 2000 (chart)	N	Feb 1	25	DSM — Polyethylene fiber will be developed in joint effort with Toyobo	Mar 21	20	Digital Equipment — Amcor Advanced Technology adapts CRISP software to DE's microcomputers	June 20	26
VCM prices	N	Feb 15	14	Polypropylene: alleged European price fixing	June 20	23	Domopak — Purchased by Dow Chemical Europe in 1983	Jan 4	17
Conrail — Another shipper/railroad brawl	N	Feb 22	14	RIM system to make nylon 6	Mar 21	78	Domtar Gypsum — Tapping the hidden treasure in landfill gas: plant at San Leandro, Calif.	June 20	28
Framingham, Mass. hassle over VC in a railroad (map)	N	Feb 22	10	van Liemt, Hans, will be new president	May 23	18	Doremus & Co. — Investor relations. Courting with more finesse (table)	Feb 15	34
Who will get Conrail? 14 bids (table)	N	June 20	23	Damon Biotech — Biotech firms scramble for new ways to raise cash	May 23	9	Dorsey — Sewell Plastics see under name		
Conroe Chemical — Quaker Chemical completes acquisition	R	Jan 18	9	Monoclonal antibodies' industrial scale-up: producing kilogram quantities for purifying proteins and fighting disease (Encapcel process)	Mar 28	28	Dow — Acquires Allied membrane patents for chlor-alkali production	Jan 18	38
Consolidated Gas Supply — Filing for reorganization in wholesale gas rates	N	Feb 1	29	Danskin — Esmark's acquisition by Beatrice Foods: Whittier Esmark's and Beatrice's chemicals?	May 30	13	Acrylamide monomer prices	June 27	16
Consulting Resources — Chlor-alkali: Squeezing earnings from a low-growth business (charts & table)	N	Mar 7	10	Dart & Kraft — Leveraged buyout of five plastic specialties businesses by an employee investor group	Apr 18	12	Adhesive polymers, trademarked Primacor, introduced	Mar 21	9
Soda ash markets	N	May 30	9	Dart & Kraft Food Products — AlaCarte line of resort-pouch-packaged dinner entrees	Jan 18	26	Agent Orange: U.S. Air Force study supports many views in the Agent Orange case	Mar 14	20
Swimming-pool chemicals markets (chart & table)	N	June 27	5	Data Resources Inc. — The end-users regain power in making prices (charts)	Feb 29	6	The Agent Orange surprise	May 16	24
Consumers Power — Nuclear plant: new plan for a triple-hexed nuclear plant	N	Mar 14	50	Inventories: How companies are holding down inventories (charts)	Feb 8	28	Tentative settlement: payments	May 23	4
Where did nuclear plants go wrong?	N	May 9	15	Keeping the warehouse empty — Viewpoint	Feb 8	3	Apache Petroleum depository units sold to Smith Barney	Jan 18	9
Container Manufacturing — Nylane bottle made with Salar	N	June 27	5	Prime-rate hike dampens few hopes	Apr 4	30	Bromine prices	June 27	16
Continental — MotorTech joint venture	N	May 2	20	Davy McKee — New directions for engineering companies	Jan 4	19	Buying into Morton Thiokol	Apr 18	9
Continental Can — CONOFFAST containers are sterilized with heat when formed	N	June 27	5	Tissue-culture improving processes	Feb 8	34	Capital spending shrinks, R&D budgets climb	Mar 21	9
— Letter	N	Apr 25	18	Deyex — Silcon: Improving silicon for defense	May 2	20	Caustic soda prices	Apr 4	26
Continental Can see also Continental Packaging	N	June 13	17	Dead Sea Bromine — A bold expansion policy abroad pays off for ICL	Feb 8	21	CMA annual meeting consensus: 'Enjoy 1984'	June 13	16
Continental Carbon — Chinese carbon black plant will use Continental process	N	Apr 11	23	Israel gears up for bromine exports	May 2	20	Cogeneration: Is cogeneration coming of age at last? Texas study outlines a formula for establishing avoided costs (table)	June 13	10
Continental Illinois National Bank & Trust — Suing Grace and Centex over 1980 loan to Grace for natural-gas projects in Mississippi	N	Jan 25	57	Dead Sea Works — Israeli government approves plans for potash conveyor belt	Feb 8	21	Conferences: Making a university/industry match	Feb 15	20
Continental Insurance — Asbestos fund (table)	N	Mar 14	50	Potash: World potash is moving again (chart)	Mar 14	36	DBCP victims settle suit	Jan 4	15
Continental Packaging — Acquisition of interest in Altradec and Cobolplast will give company access to technology for Menu Box	R	Jan 4	20	Deer Polymer — Forms Deor Polymer Chemical Div.	Mar 14	24	Donalds, John E., former director of biotechnology, to be president and chief executive officer of Collaborative Research	May 16	11
Terminates joint project with Alcoa to make aluminum food cans	R	Feb 8	9	Denison Potacem — Potash project	Mar 14	38	Donalds: Why Wall Street wants more biotechnology data	Mar 7	22
Continental Pharma — Monsanto makes acquisition R Jan 25-17	N	Apr 4	22	Denka Chemical — Denki Kagaku gives up on its U.S. plant; being purchased by a group of its own employees	Mar 21	9	Dowell will be folded into Dowell Schlumberger, joint venture	Feb 29	8
Continental Plastic Container — HDPE containers	N	Jan 4	20	Denki Kagaku Kogyo — Polychloroprene rubber dumped in U.S. says Commerce Dept.	Feb 1	25	Employee death while servicing a steel evaporator in a magnesium chloride unit at Ludington, Mich. plant	Jan 18	18
Continental Resources — Cortez CO ₂ pipeline starts up	N	Apr 4	22	U.S. plant, Denka Chemical, being purchased by a group of its own employees	Mar 21	9	EPA R&D: chemical majors joint push for more funding	Apr 11	58
Cook Paint & Varnish — Pratt & Lambert buys a line of powder coatings	N	Feb 29	28	Design Sciences — Risk assessors: How processors assess plant risk (diagram)	Feb 22	29	EDB: Why the EDB health flap may hurt bromine (chart)	Feb 15	10
Cooper Union — Desulfurizing petroleum coke	N	Mar 7	16	De Soto — Architectural-coatings market (chart)	Apr 4	10	Ethylene glycol: Massive restructuring in a 'crummy business' (charts)	Mar 7	32
Cooper Industries — "Orphan drug" status granted to alpha-1 antitrypsin for treating emphysema	N	Apr 18	17	Chattam's Petrochemicals subsidiary to be acquired R Mar 21-18	May 30	17	Glycol ethers: A coming ban on four glycols? (table)	Feb 8	13
Coopers Animal Health — ICI and Wellcome Foundation merge animal health operations into new company	R	Feb 15	38	Detrex Chemical — Sales and earnings: fourth-quarter '83	Feb 29	5	Herbicides follow the current trend to low-till farming: the boom in post-emergent herbicides (table)	May 9	12
Corning Glass Works — Fiber-optics patent squabble with Sumitomo Electric Genencor see under name	N	Jan 4	17	Deutsche Babcock Anlagen — Technology for refuse-fired power plants	Feb 8	16	Hydrochloric acid prices	June 27	16
Corporum Services — Investor relations	N	Apr 4	9	Deutsche Texaco — New route to secondary butanol	Jan 11	32	Lepetit diagnostics activities being sold to Enichemica	Jan 18	20
Corradini — Purchased by Dow Chemical Europe in 1983	N			DeWitt & Co. — Doerr comments on ethylene pricing	Feb 29	6	Lepetit: Dow seeks full ownership of an Italian unit	May 30	18
Cosden Oil & Chemical — Acquiring Arco's polypropylene business	N								

LPG to make ethylene: Algerian capacity may be a bonanza for Europe's petrochemical makers (chart)	Jan 25	16	Agricultural research stations: record-high outlay	Apr 4	9	Vespeal polyimide parts plant planned for Japan	Mar 21	9
Louisiana cogeneration operations: negotiations with GSU	Feb 8	12	Agricultural technology: help wanted N	Feb 1	30	Virginia accepts settlement for mercury contamination of South River and South Fork of the Shenandoah River	Apr 11	23
Magnesium production increased due to growth in automotive applications	Mar 14	24	Antiknock pricing practices upheld in court	Mar 7	9	Wastewater-treatment services: Environmental Services Group: first step in a nationwide network of waste treatment facilities	June 13	11
Medical diagnostics: Hot and tough to crack — Viewpoint	Feb 29	3	Aramid fiber joint venture with Japan's Toray	May 23	18	Water management: Chemical water winners and losers in the coming crisis (map, tables, charts)	Feb 22	34
Medical diagnostics. A red-hot market for chemicals and hardware (table)	Feb 29	30	Argentine investment plans unveiled. N	Apr 25	25	Du Pont Canada — Production technology for Enichem's polyethylene plant. N	Feb 29	16
Midland, Mich. plant's internal data will be supplied to EPA ending three-year dispute	Apr 4	40	Automobile windshields: antilacerative coatings come a step closer	May 23	25	Sales and earnings: first-quarter '84. N	May 9	25
NRDC pesticides report: Witt comments (table)	Mar 28	16	Can-coating operations sold to Mobil Chemical; debt trimmed	Jan 11	9	Dynacem Italia — Formed to buy B.C. Equipment and CGS Prodotti Chimici. R	Feb 22	18
North Carolina study finds no cancer epidemic triggered by picloram, ingredient in Tordon herbicide	June 27	15	Chemical vapor deposition: AAAS symposium	June 6	34	Dynamac — Grey comments on bromine in flame retardants	Feb 15	10
Paper recovery: caustic soda sales to the paper industry increase	Mar 21	10	Colored pigments: three lines sold, a fourth abandoned	Jan 4	11	Dynamin Nobel — Kay-Fries Chemical see under name		
Patent office validated Forest Labs' patent for Synchro technology for the controlled release of drugs	Jan 11	26	Ciba-Geigy completes pigments purchase	May 2	18	Dyno Industries — Gulf Resources' industrial explosives unit to be bought	Apr 25	11
Pipe and fittings products prices	Feb 8	14	Correction	June 20	5			
Polystyrene prices	Apr 11	38	Commodities from biomass	Apr 4	36			
Prices: ethylene glycol, carbon tetrachloride, sodium hydrosulfide, ethylene oxide, glycerine	June 20	60	Common stock drops	Apr 18	13			
Radiation ruling precedent: Colorado ruling in Rocky Flats Nuclear Weapons Plant case	May 9	22	Contract to supply Al ₂ O ₃ Technology with nearly 100% of the dry-film photo-polymer. It needs to make printed-circuit boards	May 2	9			
The recent freeze takes its toll	Jan 11	11	Counterfeiting: legislation aims at curbing products with bogus trademarks	May 2	16			
Research into composites expanded at applications lab at Freeport, Tex.	June 20	26	Electronic imaging: obtains rights to Savin's Landa electrostatic technology	Mar 28	9			
Resins for business machines: polycarbonates, ABS	May 16	44	EPA R&D: chemical makers join push for more funding	Apr 11	58			
Spain's ERT's LDPE operations to be bought	Apr 25	25	Heat-transfer salt trademark rights sold to Olin	Jan 4	15			
Plant sale is stalled	June 20	50	Herbicides Ally and Londa to be commercialized	Mar 28	19			
Styrene-butadiene latex prices	May 9	60	Herbicides follow the current trend to low-till farming: the boom in post-emergent herbicides (table)	May 9	12			
Styrene monomers: A crucial time for "high-tech" styrene (charts)	June 6	20	Heubach completes purchase of azo and chromate pigments operations R	Feb 15	16			
Styrofoam insulation plant at Gales Ferry, Conn. gets capacity increase. R	Feb 29	12	Information systems: Decentralizing information systems (charts)	May 23	26			
Telone II pesticide, ED3 replacement, goes off the market N Mar 7-3	Apr 4	14	Inventories: How companies are holding down inventories (charts)	Feb 8	28			
Telone-brand products to be boosted to capitalize on EDB ban	May 2	9	Iran settles over expropriation of Polyacryl Iran	Jan 11	16			
Ultrasonic processing	Jan 18	29	Iran settles over expropriation of Polyacryl Iran	Jan 11	16			
UVC prices N Feb 1-25, N May 16-51, N	May 30	24	Japanese chemical capacity expansion at Otake; sells technology and marketing information for copper pigment products to Tokyo Ink Manufacturing	Apr 11	24			
Warwick Chemical selected as a primary distributor of chlorinated polyethylene elastomers	May 2	19	Jefferson at CMA annual meeting	June 13	16			
Wastewater-treatment plant on the Titabawassee River: Michigan's DNR "asking the impossible" in water purity	Apr 18	9	Kevlar aramid fiber: Airline safety's boost for fibers	Feb 15	13			
Write-offs on chlor-alkali plant at Midland, Mich., ethylene unit at Freeport, Tex., and ethylene oxide-glycol facility near Sarnia, Ont.	Feb 22	9	Kevlar fiber: Armstrong Rubber to use Kevlar fiber in passenger tires	June 6	9			
Zetabon plastic: new plant at Findlay, O. to be upgraded	Feb 22	18	Leaded fuel phaseout: comments	Mar 14	9			
Dow Chemical Europe — Acquires Seger and Hoffmann	June 6	18	Maintenance painting program (chart)	Apr 18	48			
Corradini and Domopak purchased in 1983	Jan 4	17	McAndrews, John P. group v/p for F&FP Dept.: Du Pont's McAndrews expects a lot	Mar 28	44			
Dow Chemical Iberia — ERT turns down acquisition offer for LDPE plant	Feb 8	17	McDonald comments on MEOR	Jan 25	29			
LDPE operations to be bought	Apr 25	25	Medical assay kits for physicians to use in prescribing treatment for women with breast cancer	Feb 15	16			
Plant sale plan stalled	June 20	50	Medical diagnostics: Hot and tough to crack — Viewpoint	Feb 29	3			
Dow Chemical U.S.A. — Chlor-alkali: Squeezing earnings from a low-growth business (charts & table)	Feb 1	26	Medical diagnostics. A red-hot market for chemicals and hardware (table)	Feb 29	30			
Prices rise for several chlorinated items	Mar 14	34	Membrane patent agreement with Asahi	May 9	33			
Dow-Corning — Hair-care mousses: a boost for chemicals	Mar 21	71	"Monece", new fine denier fabric: Fibers had a good first quarter	Mar 28	12			
ODC joint venture reorganized as a wholly owned subsidiary	May 30	17	Ocean shippers get antitrust immunity. Optical-disk technology joint venture with Storage Technology: Du Pont buys the right to use the technology N	Mar 14	21			
Sales and earnings: first-quarter	Apr 18	19	Ordered polymers research	Apr 11	35			
Shin-Etsu Handotai will be partner in Hemlock Semiconductor subsidiary R	Mar 7	16	Patent infringement suit against Toho and Nihon over pigment colors still pending	June 6	17			
Dow Hellas — Plant to make extruded polystyrene foam to be built at Lavion silo	June 6	18	PD Glycol see under name	Jan 18	13			
Dow Syngas — Coal packaging project in Louisiana: SFC readies price and loan supports	Apr 11	58	Pension accounting in dispute: FASB's proposal called "conceptually unsound"	Jan 18	13			
Dowd, R.M. & Co. — Dowd comments on EPA's research budget (chart)	Apr 4	27	Photochemicals' new image: Du Pont and Hercules' new electrostatics beyond photocopiers	Apr 4	11			
Dowell — Folding Dowell into Dowell Schlumberger	Feb 29	8	Plastic packaging materials	Jan 18	25			
Drexel Chemical — KernaNobel acquires company in its move into the U.S.	Mar 28	22	Plastics' push for chemical packaging: Sellar concentrate for bottles and containers	Mar 14	50			
Dr. Dvorkovitz & Associates — Conferences: Making a university/industry match	Feb 15	20	PVB sheeting for auto windshields: capacity boost	May 16	11			
Ducilo — Du Pont unveils investment plans in Argentina	Apr 25	25	Prices on nine products, including methanol and formaldehyde	June 13	24			
Duolite International — Rohm and Haas buys ion-exchange resin plant	June 6	17	Products that use monoclonals	Mar 28	28			
Du Pont — Acetal resin market: action heats up	Mar 7	24	Protein engineering: comments from Pensak	Mar 21	80			
Aerosols: survey of consumers of aerosols	May 16	21	The recent freeze takes its toll	Jan 11	10			
Agricultural research: two new agricultural research stations unveiled	Mar 28	19	Reeder comments on 1984-85 expansions	Feb 1	10			
			Rynite SST, thermoplastic polyester, for autos	Mar 7	13			
			Safer system for tracking toxic fumes used in Deepwater, N.J.	Mar 7	36			
			Toyko ink modifying plant to use Du Pont technique for producing pigment	May 2	20			
			Ultrasonic processing	Jan 18	29			

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Enka — Carbon fiber facility planned . . . N
Enstar — Unimar, Allied and Ultramar partnership, bid for acquisition of Enstar meets resistance N
ENI — Montedison would transfer intermediates unit N
— Correction N
Environmental Health Research and Testing — Lamb's test for reproductive effects of chemicals to get three-yr validation test N
Environmental Research and Technology — Computers on the track of toxic fumes N
Environmental Systems — McKesson may acquire a controlling interest . . . N
Erca — Licenses CONOFFAST technology to Continental Can N
Erdol — Ethylene glycol: Massive restructuring in a 'crummy business' (charts) . Ernst & Whinney — Cogeneration: Texas outlines a formula for establishing avoided costs (table) N
Pension accounts for windshield's proposal called "conceptually unsound" N
Plastics resins consumption N
Plastics volume scored major 1983 gains N
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Eschem — Esmark leveraged buyout puts Estech buyout on hold N
Esco — Investments in analytical equipment R
Esmark — Acquisition by Beatrice Foods: Whither Esmark's and Beatrice's chemicals? N
Estech up for sale: leveraged buyout possible N
Kohlberg, Kravis & Roberts makes acquisition offer for Esmark, including Norton Simon and Estech N
Leveraged buyout puts Estech on hold N
Essex Chemical — Custom drug houses: The new entries N
Polyurethane sealants for windshield applications: UV may lower cure times
Esso Chemicals — Norsk Hydro and Neste offer to buy ethylene plant at Stenungsund; Statoil offers to become 50% partner in the Esso unit N
Esso Chemie — Sales and earnings: exports are the key to profits N
Esso Resources Canada — Ethane extraction plant planned as part of enhanced oil recovery program in Alberta N
Oil extraction project near Cold Lake, Alta., scaled down: Canada's synthetics — a cautious phoenix N
Essochem — LPG to make ethylene: Algerian capacity may be a bonanza for Europe's petrochemical makers (chart)
Estech — Esmark puts Estech up for sale: leveraged buyout possible N
Kohlberg, Kravis & Roberts makes acquisition offer for Esmark, including Estech; Esmark selling some operations in leveraged buyout N
Esmark's leveraged buyout puts Estech buyout on hold N
Florida Duette phosphate mine offered for sale to the Manatee County Commission N
Florida phosphate project: Manatee County will allow access to documents which concern quest for permits N
Phosphate mine: Silver City, getting ready to resume production N
Ethyl — Acquires Fibertex Products, Westchester Window and Fibertex . . . R
Antiknock pricing practices upheld in court N
Blanchard says the competition between lead exposure and lowered intelligence has not been soundly proved N
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IMCO Container business to be sold to Brockway N
Organo-lead antiknock agents: EPA's proposed rule may mean an earlier demise for Ethyl's biggest business . N
Sodium and calcium bromide powders plant in Magnolia R
Study on the effects of inhaling methyl bromide N
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Benzene prices N

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Natural gas-processing plant to be built at La Barge, Wyo. N
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Polypropylene comes onstream at Baytown, Tex. N
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Xylene prices N
Exxon Enterprises — Solar Power's silicon cell operations closed at Woburn, Mass. N
Exxon Nuclear — For uranium producers, far-off silver linings (chart) N

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Foxboro — Process control: Where hardware and software clash N
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Fuel Tech — International Power Chemicals to be acquired from Rollite . . . R
Fuji Life Science — JGC Corp. to buy 50% share N
Fuji Photo — Medical diagnostics: dry-chemistry analyzers N
Fuller, H.B. — First-quarter report: rising sales and two writeoffs — MultiClean business and loss of assets in Lebanonese war zone N
Foster Div.: Asbestos containment — a controversial alternative N
Industrial Coatings Div. buys building in northern St. Paul, Minn., as new home for operations R

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Heyman chooses Shea as company's senior v.p. general counsel and secretary N
Heyman vows 'em at GAF N
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Galeco — Funding for sensor research N
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Florida compromise plan approves second gypsum dump site N
Florida county commission moves to deny rezoning request to build new stack near Tampa, Fla. complex R
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Gaz de France — Fertilizer producers in France offered a break on natural gas rates N
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June 20 23

Mar 7 13

June 27 96

May 9 57

May 30 17

Mar 14 24

Jan 4 29

Apr 18 9

Mar 7 16

Sol-gel processing: AAAS symposium	June 6	34	Gorham International — Asbestos consumption in U.S. is largest market for Canadian asbestos	Feb 22	14	Haber — Haber Gold Process: Staking a claim on a gold-winning process	Feb 8	14
Strategic planning conference: How the experts plan strategy (table)	Mar 28	11	Grace, W.R. — Agreement with Synergen to develop microorganisms that make flavors and fragrances	May 2	37	Halcon SD — EG: syngas routes to EG	Mar 7	35
Vibration monitor to detect turbine flaws being developed	May 9	33	Bonny Lake phosphate mine in Florida to close; draglines will be moved to Hooker's Prairie and Four Corners mines	Feb 1	9	Haldor-Topsoe — New directions for engineering companies	Apr 4	30
Water coating, key to new chip technology	June 6	17	Capital spending for 1984 beefed up by 20%	May 23	4	Harms, Mike Associates — Oil's lure for urethane makers	Apr 25	16
General Motors — Auto windshields with anticorrosive coatings	May 23	25	Continental Illinois National Bank & Trust suing Grace and Conter over 1980 loan to Grace for natural-gas projects in Mississippi	June 27	7	Harshaw Chemical — Kaiser's game plan to get Harshaw back in shape	Feb 8	22
Automotive adhesives for all-plastic bodies of Corvettes and Fieros	Mar 28	10	Florida phosphate land swap likely	May 23	10	Harshaw-Filtrol Partnership — Fluid cracking catalysts market	Mar 21	13
Automotive plastics	Mar 7	13	Funding MIT work to genetically engineer microorganisms	Apr 11	30	Hartford Insurance — Asbestos fund (table)	Apr 25	18
Small cars segment will be based in Canada: auto makers' moves could cut chemical supply lines	Jan 18	9	Grace, J. Peter's commission President's Private Sector Survey on Cost Control: Going after \$142 billion — Viewpoint	Jan 25	3	Harwick Chemical — PPG Industries' plastic color concentrates business to be bought	Jan 18	9
General Tire & Rubber see Gencorp	Apr 4	12	Strong medicine for curbing federal costs	Jan 25	14	Hawkeye Chemical — Getty's chemical units may go on the auction block	Jan 11	9
Genetic Systems — Medical diagnostics: monoclonal antibodies in tests	Feb 29	34	Industrial Chemicals Group realigns its management team	Mar 21	12	Texaco's bid for Getty: Whither Getty's chemicals? (chart)	Jan 18	11
Genetics Institute — Factor VIII: announcement that the company has purified a piece of the human factor VIII gene	Jan 11	24	Joint venture with Cetus for bioengineered farm products: 'Possibly the largest' bioventure	June 20	15	Hays Group — Acquires BP Chemicals' Sandbach Div., chlor-alkali operation	Mar 21	20
Genex — Center for Advanced Research in Biotechnology, CARB: new biotech center allies diverse groups	May 9	17	Metaramics acquired	Mar 21	13	Hazardous Waste Technology Services — TAGA used to identify "hot spots" at suspected dioxin site	May 30	36
How genetic engineers will customize proteins	Feb 22	16	Phosphate rock reserves in Florida to be bought from Agricor Chemical; Bartow, Fla. facilities to be improved	Feb 1	17	Health-Chem — Time Chemical subsidiary to be bought by a group headed by president Drost	Jan 11	9
Making new ventures go	Mar 21	79	Phosphoric acid unit at Bartow, Fla. shut down	Apr 18	9	Health Industry Manufacturers Assn. — Medical diagnostics: standards	Feb 29	34
The management evolution at Genex: J. Leslie Glick, chairman and CEO and Vito Esposito, president and COO	Apr 11	46	Product-line managers created for certain units within its European Dares Div.	May 16	11	Heinz, H.J. — BioTechnica signs pact to develop animal-feed products	Apr 11	23
Gentronix — Molecular-computer research	May 2	38	Purchase bid for Diamond Shamrock's Metal Coatings and Process Chemicals divisions dropped	Jan 25	9	Helene Curtis — Hair-care mousses: a boost for chemicals	Mar 21	71
Georgia-Pacific — Chemicals strategy being reevaluated	Feb 8	19	Grant, Alexander — How manufacturers rank the states: fifth annual study on General Manufacturing Business Climates	Apr 25	20	Hemlock Semiconductor — Dow Corning accepts Shin-Etsu Handotai as a partner	Mar 7	16
Courtaulds acquiring cast-acetate-film operation at Newark, N.J.	Mar 28	9	Great Lakes Biochemical — Laporte Industries acquisition	Feb 1	20	Hercules — Acquisition of Winston Technologies	Apr 4	11
EPS: Optimism outpaces overcapacity (chart)	Feb 15	9	Great Lakes Chemical — EDB: Why the EDB health flap may hurt bromine (chart)	Feb 15	10	Aerospace Div.: A chemical push from the MX	Apr 4	12
Linde's methanol reactor will get a test at Plaquemine, La. plant	Feb 29	18	PGC will license brominated flame retardant technology	Mar 21	74	Agent Orange case	May 16	24
Phenol capacity will be expanded when Bound Brook, N.J. plant starts up	Jan 4	15	Study on the effects of inhaling methyl bromide	Mar 14	58	Texaco's bid for Getty: Whither Getty's chemicals? (chart)	May 23	4
Georgia Power — Nuclear plant success story	June 27	19	Syntex Chemicals' Newport, Tenn. chemical production facility to be purchased	Apr 4	14	Carbon fiber joint venture in France: Hercules pulls out	Apr 18	28
Gerber Scientific Instrument — ECOM Electronic Systems Div. of American Hoechst to be acquired	May 2	18	Great Plains Gasification Assoc. — Coal gasification: SFC readies price and loan supports	June 27	15	Cogenerator/utility fuss over avoided costs	Feb 8	12
Getty Oil — Leveraged buyout agreement with Pennzoil: chemical units may go on the auction block	Jan 11	9	Greenwell, W. & Co. — Wamsley comments on CdF Chimie	Apr 18	30	Common stock drops	Apr 18	13
Microbial enhanced oil recovery	Jan 25	58	Guadalupe Valley Electric Cooperative — Woodpecker damage to poles estimated by Hines	Feb 22	32	Graphite-fiber strategy: Full speed ahead	Feb 29	5
Texaco acquisition bid: Whither Getty's chemicals? (chart)	Jan 18	11	Guardian Industries — Acquires 48% interest in Spanish glassmaker	Jan 18	18	Himont see under name	Feb 8	30
Texaco to sell Getty's Northeastern and Middle Atlantic marketing activities, about 600 stations, to Power Test	Feb 8	16	Court rules Guardian infringed on a patent and used trade secrets of Johns-Manville in manufacture of fiberglass insulation	Jan 4	15	Inventories: computerized system called Product Material Inventory	Feb 15	34
Getty Solvents and Petrochemicals — Texaco's bid or Getty: Whither Getty's chemicals? (chart)	Jan 18	11	Gulf Design — Hemihydrate technology: comments from Osborne	Mar 14	48	Investor relations: Courtuing with more finesse (tables)	Mar 21	10
Getty Synthetic Fuels — Landfill gas: Tapping the hidden treasure in landfill gas	June 20	28	Gulf Oil — Agreement with OCAW: A "moderate" precedent for wage hikes in 1984	Jan 18	9	Paper industry recovery increases sales of paper chemicals	Apr 4	11
Glennett Studies — Synthetics for restoring historic facades	Apr 25	54	The recent freeze takes its toll	Jan 11	11	Photochemicals' new image: Du Pont and Hercules will push electrostatics beyond photocopiers	Apr 4	11
Gilbert/Commonwealth Associates — A new look at anthracite	Jan 4	29	Standard Oil of California merger: A merger for oil, not chemicals, (chart)	Mar 14	15	Polyacrylonitrile joint venture with Sumitomo Chemical	Feb 29	5
Glaxo Holdings — Sales and earnings: first-half 1983-84	Apr 18	28	Merger approved by Standard Oil of Calif. stockholders: Socal must now sell off one of its refineries	June 20	13	Polypropylene: alleged European price fixing	June 20	23
Giltech — ICI's separation device to be marketed	June 20	26	Tibbetts: styrene exports fall	June 20	15	Polypropylene joint venture with Montedison: largest foreign investment in U.S. in 1983	June 13	40
Packing's growing role in distillation (diagram)	June 13	18	Gulf Oil Chemicals — Amoco chemicals considering acquisition of polypropylene business	Jan 18	12	Hershey — Water management institutionalized	Feb 22	34
Glyco — Fatty-acid chemical prices	June 20	60	EPS: Optimism outpaces overcapacity (chart)	Feb 29	18	Heubach — Du Pont's colored pigments operation purchased	Jan 4	11
Gnostic Concepts — Fiber-optics market surveys	Apr 18	17	Gulf Oil Products — St. James, La. styrene monomer plant to be modernized	Feb 22	18	Purchases azo and chromate pigments operations from Du Pont	Feb 15	16
Golden Gem Growers — Squeezing insecticides from oranges: tests on limonene as an insecticide	June 27	20	Gulf Resources & Chemical — Industrial explosives unit to be sold to Dyno Industries; deal to sell Lithium Co. of America to FMC rumored	Apr 25	11	Heyward-Robinson — H ₂ O ₂ makers look again at the hemihydrate route	Mar 14	48
Goldman, Sachs — Retained by Ashland to help sell Integon insurance subsidiary	June 6	17	Gal States Utilities — Cogenerator/utility fuss over avoided costs: Louisiana processors press for better prices for excess power	Feb 8	12	Hilltop Lab Animals — Breeding genetically pure lab animals	June 6	25
Goodrich, B.F. — Boiler that burns high-sulfur coal	Jan 11	16	HO Process — Sodium chlorate plant in Alabama onstream	June 27	15	Himont — Polypropylene resin capacity at Bayport, Tex. being replaced	June 6	17
— Letter	Feb 15	5	HPD — Sizing compressors from a data base: Atlas Copco pilot program gives customer access to the supplier's mainframe	May 2	25	Hirsmont U.S.A. — Polypropylene resin prices	June 13	24
Capacity for vinyl compounding to be increased at Avon Lake, O.	Jan 11	16			Hitachi — Medical diagnostics: automatic blood serum analyzer	Feb 29	32	
Chemical Group's white-collar ranks, face a 23% cutback	Mar 28	9			Hoechst — ERT's polyvinyl acetate facilities may be purchased	Jan 18	20	
Chlor-alkali prices	June 6	35			Fertilizer cutbacks	Apr 25	25	
PVC makers are smiling again (chart)	Apr 4	24			Medical diagnostics: A red-hot market for chemicals and hardware (table)	Feb 29	30	
PVC resin technology developed	May 9	33			Polyester film expansion	Mar 28	42	
Sales and earnings, calendar 1983	Feb 22	9			Polypropylene: alleged European price fixing	June 20	23	
Science and technology advisory board formed	Mar 14	24			Sales and earnings 1983	Mar 28	22	
Sues Formosa Plastics to protect its PVC technology N Mar 7-9	Apr 4	25			First-quarter '84	May 16	29	
VCM prices	Feb 1	17			West German chemical firms display new strength (charts & table)	June 13	28	
Goodman Chemical — Huntsman Chemical will lease polystyrene business	Feb 8	9			Hoeganaes — Landfill gas from PSE&G's Cinnaminson, N.J. plant	June 20	28	
Goodyear Tire & Rubber — Ashland Chemical acquiring structural urethane adhesives business	Apr 25	57			Hoffmann-La Roche — Biogen patent on alpha interferons to be protested	Feb 29	5	
Ohio Poly see under name	Feb 22	40			Drug patent bill passes a House committee: PMA's endorsement disavowed	June 20	74	
Polyester powder under prices					Medical diagnostics: A red-hot market for chemicals and hardware (table)	Feb 29	30	
Gordon Securities — Canada's synfuels: a cautious phoenix					Peptide synthesizers agreement with Vega Biotechnologies	June 27	96	
					Products that use monoclonal antibodies: T-cell growth factor: Who's ahead in the IL-2 race?	Mar 28	28	
					Holappa, H.S. and Assoc. — Holappa on the auto adhesives business	Apr 18	16	
						Mar 28	10	

HoltzChem — Chlor-alkali prices	N	June 6	35	Choline chloride imports: Synthex anti-dumping petitions claim foreign producers trying to drive U.S. competitors out of business (chart)	Jan 18	14	International Power Chemicals — Fuel Tech granted acquisition option by Rofite	May 16	24
Honeywell — Controllers, low-cost, that take care of furnaces	N	Jan 25	19	Ethylene glycol: Massive restructuring in a 'crummy business' (charts)	Mar 7	32	InterAm America — Hydrogen peroxide prices	June 13	24
Process control: Where hardware and software clash	N	Jan 25	20	Fiber research center opened	Apr 11	24	InterPharm Laboratories — Israel's thriving biotech industry	June 8	28
Software-hardware agreement with Set-point	N	Apr 4	34	Hazop procedure: risk assessment	Feb 22	29	Investor Access — Investor relations. Courting with more finesse (tables)	Feb 15	34
Software to communicate with IBM computers	N	Mar 21	78	LPG to make ethylene: Algerian capacity may be a bonanza for Europe's petrochemical makers (chart)	Jan 25	16	Investors in Industry Group — Research Corporation Trust: the U.S. and U.K. join to spur European technology	June 6	25
Hoover Universal — Blow-molding technology: lighter-weight half-gallon HDPE bottle	N	Feb 1	15	Merger with Wellcome Foundation of animal health operations into new company, Coopers Animal Health	Mar 7	16	Isotech — Pilot plant for conversion of wood to ethanol, lignin and five-carbon sugars	Apr 4	39
Houston, Colin A. & Assoc. — Houston comments on Texaco's bid for Getty	N	Jan 18	11	Methanol unit for the Mideast studied	Jan 18	20	Isochem — Nitroparaffin derivatives joint venture with Angus Chemical; plant to be built in Wales	Feb 1	9
Houston Lighting & Power — Cogeneration study outlines a formula for establishing avoided costs (table)	N	June 13	10	Sharjah methanol plant discussed	Feb 1	20	Isomex — Some rays of hope for irradiating food (chart)	Apr 11	33
Where did nuclear plants go wrong?	N	June 27	18	Nylon for tire production	Feb 8	17	Israel Chemicals Ltd. — A bold expansion policy abroad pays off for ICL	Feb 8	21
Houston Natural Gas — Liquid Carbonic to be acquired by CBI Industries	N	June 20	13	Polypropylene: alleged European price fixing	June 20	23	Israel Chemicals Projects — Joint ventures sought: A bold expansion policy abroad pays off for ICL	Feb 8	21
Houston's Planning & Forecasting Consultants — Steffes comments on closure of the Strait of Hormuz	N	May 30	26	Sales and earnings: Fibres Div. fourth-quarter '83	Feb 15	18	J		
Huber, J.M. — Advanced Electric Reactor certified by EPA for high-temperature destruction of PCBs in soils	N	May 16	44	Sales and earnings, 1983	Mar 7	19	JBF Associates — Risk assessors: How processors assess plant risk (diagram)	Feb 22	29
— Correction	N	May 23	16	Sells its 20% share in Vantona Viyella	May 9	12	JGC Corp. — Biotech entree: to buy 50% share of Fuji Life Science	Jan 25	57
Nonbiological process for destroying PCBs in soils: Advanced Electric Reactor	N	June 20	40	Separation device will be marketed by Glitsch	Jun 4	16	Jacobs Engineering — Contract for Schumacher silicon-processing plant R Hemihydrate process developed by Norsk Hydro Fertilizers offered	May 2	19
Humidial Desiccants — United Desiccants products marketed under the name Desi Pak	R	Feb 8	16	Technology for Billerud chlor-alkali conversion to membrane cell output	June 20	26	Norsk Hydro Fertilizers offered H ₂ PO ₄ makers look again at the hemihydrate route	Mar 14	48
Hunt, Philip A. Chemical — Olin bids for full ownership	N	Apr 4	9	Victrex high-performance thermoplastic resins capacity to be doubled	Feb 22	20	— Letter	Apr 25	25
Olin clarifies tender offer: a take-it-or-leave-it offer	N	Apr 11	11	ICI Americas — Herbicides follow the current trend to low-till farming: the boom in postemergent herbicides (table)	June 27	90	Licenses Norsk Hydro Fertilizers' processes	Mar 7	30
Olin-Hunt merger: some of Hunt's minority stockholders seek to block merger	N	Apr 11	11	Imre — Joint venture with Pharmacia to research technique that would purify and treat blood after it is removed from the body	May 9	12	New directions for engineering companies	Apr 4	30
Huntsman Chemical — EPS: Optimism outpaces overcapacity (chart)	N	June 20	13	Industrial Bio-Test Laboratories — Sentences for three former employees	Feb 1	30	Japanese Foundation for Cancer Research — Cancer research grant from Bristol-Myers	May 2	37
Expands in U.K.: will take over 20,000 metric tons/yr of polystyrene manufacturing capacity from Shell Chemicals U.K.	N	Feb 29	18	Industrial Plastic Container — Sear-made containers	Apr 18	17	Jheri Redding — Hair-care mousses: a boost for chemicals	Mar 21	71
Gordon Chemical's polystyrene business will be leased	N	Mar 14	50	Industrija Nafta — Petrochemical production slated	Mar 14	50	Johns-Manville — Guardian infringed on a patent and used trade secrets of J-M in manufacture of fiberglass insulation court rules	Jan 4	15
Huron Chemicals — HO Process sodium chlorate plant in Alabama onstream	R	May 2	20	Indy Electronics — Olin buys 45% interest N Mar 14-11	Mar 21	20	Johnson & Higgins — Pension-plan expenditures study	May 30	32
Husky Oil — Canada's synfuels: a cautious phoenix	N	Apr 4	9	Ingersoll-Rand — Corrosion-resistant casting alloy	Apr 4	9	Johnson & Johnson — Drug patent bill passes a House committee: PMA's endorsement disavowed	June 20	74
Nova shines, but less brightly: Blair — Making Husky Oil a Canada-only operation	N	Feb 22	40	Ink Technology — UV-cured inks and coatings marketing rights to be granted to S.C. Johnson	Feb 22	32	Ibuprofen's contested road over the counter: J&J challenges FDA's say on consumer advertising	June 6	12
Synthetic oil project moves forward: partners sought	N	Mar 21	19	Inland Oil and Transport — Suing Arco Chemical over methanol-TBA additive	Mar 21	19	Ortho see under name		
Hutchinson, Fred Cancer Research Center — Cancer research grant from Bristol-Myers	N	June 27	15	Inland Specialty Chemical — Removing heavy metals from industry wastes	June 27	7	Johnson Matthey — Custom drug houses: The new entries	May 9	46
Hutton, E.F. — AAC Holdings see under name	N	June 20	50	Inland U.S.A. — Suing Arco Chemical over methanol-TBA additive	May 2	37	Johnson, S.C. — Ink Technology will grant marketing rights for UC-cured inks and coatings	Mar 21	19
Biotechnology: Why Wall Street wants more biotechnology data	N	Jan 4	17	Inmont — Acna purchased	May 23	9	Polymers for water-based ink systems	Apr 18	10
Schneider comments on factor VIII projects	N	Jan 4	18	Institute for Pharmaceutical Biology — Tissue-culture production of the cardiac drug digitalis	Jan 25	13	K		
Schneider comments on kilogram quantities of monoclonal antibodies	N	Apr 25	25	Instituto Nacional de Industria — Expected to pick up 25% of FESA	Mar 21	78	KRC Research — Asbestos containment: A controversial alternative	June 20	33
Schneider: Why Wall Street wants more biotechnology data	N	June 6	17	Integon — Ashland Oil retains Goldman, Sachs to help sell insurance subsidiary	Apr 18	13	KRW Energy Systems — Joint company to push fluidized-bed combustion know-how	Apr 25	30
Hybritech — Biotech firms scramble for new ways to raise cash	N	May 23	9	Integrated Genetics — Biotech firms scramble for new ways to raise cash	Feb 29	28	KabiVitrum — Factor VIII developments	Jan 11	24
Human monoclonals for hepatitis B	N	Jan 25	13	Interferon Sciences — Charter member of the Association of Biotechnology Companies (table)	Apr 18	37	Factor VIII race	May 9	17
Medical diagnostics: monoclonal antibody tests	N	Mar 21	78	IBM — Honeywell software to communicate with IBM computers	May 30	22	Kaiser Aluminum & Chemical — Alumina chemicals: Looking for an upturn	May 23	20
Monoclonal antibodies: Immunomaging for identifying malignant tumors	N	Feb 29	31	Synchrotron radiation	Mar 14	24	Harshaw Chemical: Kaiser's game plan to get Harshaw back in shape	Feb 8	22
Taylor comments on industrial scale-up of monoclonals	N	June 13	34	IBM Research Laboratory — Packing more information into chips: light-sensitive material	Mar 28	19	Quebec lures industry with cheap hydropower: smelter project considered	May 23	22
Hydro-Quebec — Quebec lures industry with cheap hydropower	N	Mar 28	30	Polysilanes in lithographic masks	Feb 15	14	Sales and earnings: fourth-quarter '83	Jan 18	9
Hysol Grafil — Carbon fiber plant at Sacramento, Calif. in the works	N	May 23	22	Polysilanes: Reactive silicon polymers cause a stir	Feb 15	20	Kalex Chemical Products — Vinyl films prices	Feb 29	23
I				International Chemicals — Diatec Polymers brings acrylamide polymers plant onstream at Batavia, Ill.	Feb 22	10	Kanegafuchi Chemical Industry — Ion exchange membranes for Olin chlorine plant	Apr 18	37
IGI Biotechnology — Gum arabic alternate, Poly-Levul, developed	R	Mar 7	9	International Hydron — Contact lenses: agreement with 3M for joint development of manufacturing techniques	Feb 1	9	Katalistics — Fluid cracking catalysts business to be acquired by Union Carbide	Mar 21	13
IMCO Container — Brockway plans acquisition	N	June 6	9	International Minerals & Chemicals — Another shipper/railroad brawl	Mar 14	48	Kay-Fries Chemical — Sodium methyllate prices	Apr 25	57
IT — Waste treatment facility gets green light in Massachusetts	N	June 13	14	Conferences: Making a university/industry match	Apr 11	38	Kearney, A.T. — Chemicals sold through distributors	Jan 11	34
Idaho Laboratory Facility — Energy Dept. consolidates labs	N	Apr 18	16	Fertilizers: world market — FI meeting (chart)	Mar 14	36	Gunn discusses inventories	Feb 8	29
Ideal Basic — Potash Co. of America see under name	N	Jan 25	13	Florida land fraud case: four men ask court to overturn the conviction	Jan 18	9	Keeler Dorr-Oliver — Fluidized-bed boilers	June 20	44
Immunex — T-cell growth factor: Who's ahead in the IL-2 race?	N	Apr 18	16	Four Corners mine will get dragline from Grace's Bonny Lake mine	Mar 14	55	Kellogg, M.W. — New directions for engineering companies	Apr 4	30
Immuno Modulators Labs — Charter member of the Association of Biotechnology Companies (table)	N	Apr 25	25	Hemihydrate process studied	Mar 14	55	Water-based inks for packages	Apr 18	10
Imperial Chemical Industries — Acquires French paintmaker Compagnie des Vernis Valentine	N	Apr 25	25	Potash producers will petition for protection from cut-rate offshore imports	May 30	34	Whose NH ₃ plant is the most energy-efficient?	Mar 21	15
Air Products Europe will build argon/hydrogen plant at ICI's Billingham complex	N	Apr 18	26	Potash: World potash is moving again (chart)	Jan 4	19	— Letter	20	5
Chlor-alkali market (charts & table)	N	Feb 1	26	Sales and earnings: fourth-quarter '83	Jan 4	19	Kellogg Rust — Joint synfuels company will be set up with Westinghouse	Feb 8	34
				International Paper — HercuDur			New directions for engineering companies	Apr 4	3

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Norton's packing used in ethylene plant (diagram)	June 13	18	— Letter	Mar 14	5	Mycogen — Time-release herbicides: mycoherbicides — fungi that are used as biological herbicides	May 23	32
Sales and earnings, 1983	Mar 7	19	Monsanto wins round two	June 13	20			
Sun Coast Plastics grants license for linerless closures	Mar 28	19	Round three: New Zealand court restrains Stauffer's activity for glyphosate-based Touchdown herbicide	June 20	23			
Mitsui Petrochemical Industries — Ethylene glycol in Japan	Mar 7	33	Herbicide Roundup: Stauffer sued in Germany	Jan 25	19			
Catalyst development for EG production from synthesis gas	Mar 7	35	Herbicides follow the current trend to low-lift farming: the boom in post-emergent herbicides (table)	May 9	12			
Plant tissue culture: red dye and as-rigant called shikonin	Jan 4	18	Hydrogenation facility for rubber chemicals at plant in Sauget, Ill.	May 30	17			
Mitsui Toatsu Chemicals — Japan's chemicals: Not well but better (chart)	Apr 11	51	Inventories: How companies are holding down inventories (charts)	Feb 8	26			
Mobay Chemical — Anthraquinone prices	Apr 4	26	Investor relations: Courting with more finesse (tables)	Feb 15	34			
Automotive plastics	Apr 11	13	Irradiating grains with electron beams instead of EDB treatment will be urged	Feb 22	9			
Flexible foams profit from urethane surge	May 23	17	Kier comments on a computer assist for the Ames test	Mar 21	14			
More jobs but tight money	Feb 1	16	Last herbicide ingredient — diachlor	June 20	13			
Polycarbonate-ABS blends: Filled-resin EMI shielding is Mobay's wedge into computers	May 23	25	EPA now re-reviewing the safety	Jan 11	25			
Thionyl chloride prices	June 6	11	Maleic anhydride prices	May 9	60			
Witco wins big in foam patent suit: Mobay found guilty of patent infringement and guilty of breaching a license agreement	Jan 11	9	Methanol unit at Texas City, Tex. may be scrapped	Mar 7	13			
Clay-settling technology called electroendosmosis will be tested at Ft. Meade, Fla. phosphate mine	Feb 15	14	Nitro, W. Va. dioxin-exposure lawsuit: USWA will help finance trial for plaintiffs	June 13	9			
Cortez CO ₂ pipeline starts up	Jan 25	19	Pierle comments on EPA's RCRA policy	June 13	39			
p-Methyl styrene joint-venture plant at Baton Rouge: Mobil taking over some of Hoechst's role	Jan 4	20	Prism separator: adaption of technology to small landfills	June 20	28			
Newlin: A single global market for polyethylene	Apr 18	20	Process control: Where hardware and software clash	Jan 25	20			
OSHA awards for superior safety and health record at seven plants	Apr 18	20	The recent freeze takes its toll	Jan 11	11			
R Phosphate mine at Nichols, Fla. reopened	Feb 22	18	Research agreement with Oxford Univ. to study the role of sugars in cell functions	Jan 4	29			
N Phosphogypsum wastes: funding research for use as a road base and a construction material	June 13	24	Silicon: Improving silicon for defense	Feb 8	34			
PMS and PPMs: A crucial time for "high-tech" styrene (charts)	Apr 25	52	Stock, now at \$94/share, may be split	Mar 28	9			
The recent freeze takes its toll	June 6	20	Stock split	May 9	11			
Superior Oil acquisition proposed	Jan 11	11	Sulfuric acid prices	June 27	16			
Valspar buys U.S. and Canadian industrial-coatings businesses;	May 23	4	Swimming-pool chemicals: Chemical makers play hard-nosed polo in the pool (chart & table)	Mar 7	10			
Valspar's bid for greater growth (chart)	May 23	4	Time-release herbicides: Lasso alachlor herbicide	May 23	32			
Mobil Oil — Methanol warnings for customers	May 30	12	Waste sites cleanup costs: Seeking ways to speed the cleanup (table)	Jan 18	32			
Molecular Diagnostics — Test can detect certain genetic diseases by "reading" an individual's DNA	Apr 11	23	— Correction	Feb 8	3			
Molecular Genetics — Making new ventures go	Mar 21	78	Where food irradiation has been approved (chart)	Apr 11	33			
Monoclonal Antibodies — Medical diagnostics	Apr 11	46	Witco acquires certain assets of specialty polymeric plasticizer business	June 13	17			
Self diagnostic ovulation test goes to the market	Feb 29	31	Monsanto Enviro-Chem — Clay settling technology called electroendosmosis will be tested at Mobil Chemical's Fort Meade, Fla. phosphate mine	Jan 25	19			
Monsanto — Acetic acid: More capacity is on the way	Apr 25	30	Monsanto Polymer — ABS prices	June 27	16			
N Agent Orange: U.S. Air Force study supports many views in the Agent Orange case	Jan 25	9	Montedison — Acna see under name	May 30	18			
Agent Orange/Vietnam Experience study from CDC: Trodahl comments	Mar 14	20	Enters consumer detergent market by buying 61% interest in Mira Lanza	Apr 4	18			
Agent Orange surprise	Mar 28	14	Farmitalia-Carlo Erba see under name	Apr 18	5			
Tentative settlement: payments	May 16	24	Himont see under name	Mar 28	22			
Antitrust suit against Spray-Rite Services: manufacturers must still be wary on resale prices	May 23	4	Intermediate unit would be transferred to ENI	June 27	19			
ARMS R&D halted	Mar 28	48	— Correction	May 30	18			
Belgium drug acquisition, Continental Pharma R Jan 25-17	June 6	21	Negotiating for joint ventures in China	Apr 4	18			
BioTechnica signs pact to develop pesticide	Jan 25	57	Polycarbonate plant to be built in U.S.S.R.	Apr 18	5			
Bone regeneration research agreement with Collagen	Apr 11	23	PET polymer and preforms to be supplied to bottle producer, Cobarr	Mar 7	19			
Bulvar polyvinyl resin expansion in Springfield, Mass.	Apr 25	30	Polypropylene: alleged European price fixing	June 27	90			
Catalytic process for adipic acid	Apr 4	16	Polypropylene joint venture with Hercules: largest foreign investment in U.S. in 1983	June 20	23			
CMA annual meeting consensus: "Enjoy 1984"	Apr 25	30	Sales and earnings: Montedison posts another loss	June 13	40			
Conferences: Making a university/industry match	June 13	16	Sales and earnings 1983: Montedison cuts its losses	Feb 15	18			
Counterfeit-detection training of foreign managers	Feb 15	20	U.S. sales rep, Cambo Inc., will pitch elastomers to Detroit	May 16	29			
EPA R&D: chemical majors join push for more funding	May 2	16	Montelbre — "PET polymer and preforms to be supplied to Carraro	Jan 18	16			
FIFRA data disclosure: Is it unconstitutional? Supreme Court will decide Monsanto-EPA dispute	Apr 11	58	Morgan Stanley — A clearinghouse for natural gas: Morgan Stanley with Transco Energy and Akin, Gump, Strauss, Hauer & Feld plans to open the U.S. Natural Gas Clearinghouse	June 27	90			
Fernandez, Louis at CMA annual meeting: Good public works need a strong public voice — Other views	Mar 7	14	Morton Thiokol — Common stock drops	June 27	90			
Fernandez to head Clean Sites Inc. steering committee for voluntary cleanup program	June 13	3	Du Pont drives for a comeback in photopolymers with AT&T Technology contract	June 27	9			
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Genetic changes persist in the offspring of plants	May 9	60	Wasatch Div.: A chemical push from the MX	Apr 18	9			
Heat-transfer fluids prices	Feb 22	32	MotorTech — Koppers' high-tech hunt: joint venture of Koppersco, Crane Cams, Continental and Henry Yurick	May 2	9			
Herbicide Roundup: Monsanto wins Round One in patent luff with Stauffer over glyphosate herbicide in U.K.	Jan 11	25	MultiClean — Fuller, H.B. puts business up for sale	Feb 22	18			
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Uranium producers: Far-off silver linings (chart)

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Occidental Petroleum — Joint venture with CE, Osce Fuel, to research and develop coal-water fuels
OxyChem plans to restart molten salt plants: There's new life in OxyChem
Ocean Systems Network — Diamond Shamrock domestic distribution network will offer single-price, single-contrast service covering transportation
Ohio Bell Telephone — Pacific Chemical Products files damage suit against the installers and providers of new telephone system
Ohio Poly — LLDPE film output could encircle the earth 5-1/2 times
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Petrageas — New Zealand methanol plant cranks up
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Petroquímica Cuyo — Polypropylene plan proposed.	Feb 22	20	Sues Chesebrough-Pond over TV ad claims for Vaseline Intensive Care Skin Lotion.	Jan 18	18	Paintmakers: Wallpol 40-145 latex polymer.	Apr 4	11	
Petrolomics — Getty's chemical units may go on the auction block.	Jan 11	9	Skin Lotion ad claims: nonirritating; P&G and Chesebrough-Pond's can still say they sell the best.	June 27	14	Polyester resin prices.	June 27	16	
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Phillips Bros. — USIT finds titanium dumping.	Feb 1	25	Public Service of New Hampshire — Utilities seeking government help from financial debt created by building nuclear power plants.	May 2	44	Resource Planning Consultants — NGLS-LPG study: The looming LPG glut. John M. Winton (charts, table, map).	Feb 15	26	
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 Herbicides follow the current trend to low-till farming: the boom in post-emergent herbicides (table) N
 Hydrochloric acid prices N May 30-24 N
 Industriplex waste site in Woburn, Mass.: cleanup costs N

(N Newsletter, R Wrap-up)

X, Y, Z

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